



UNDERGRADUATE ACADEMIC CATALOG
SUMMER 2019– SPRING 2020



UNIVERSITY OF
LOUISVILLE®

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UNDERGRADUATE



This catalog is applicable to students who enroll at the University of Louisville beginning Summer 2019 through Spring 2020. The University catalog is the official source for all degree program and academic requirements as well as institutional policies and procedures. It is the document of authority for all students. The program requirements listed in the catalog supersede any information which may be contained in the bulletin of any school or department.

« View previous versions (p. 854)

Revised May 2019.

The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, bachelor, master, specialist, doctoral, and first-professional degrees (DMD, JD, MD). Individuals who wish to contact the Commission on Colleges regarding the accreditation status of the university may write the Commission at:

Southern Association of Colleges and Schools

1866 Southern Lane
Decatur, Georgia 30033-4097
(404) 679-4500
www.sacs.org (<http://www.sacs.org>)

The University of Louisville reserves the right to change programs of study, academic policies, academic requirements, fees, course information, procedures for the confirmation of degrees, or the announced academic calendar and related deadlines without prior notice.

The provisions of this publication do not constitute an express or implied contract between the University of Louisville and any member of the student body, faculty, or general public.

The University of Louisville is an equal-opportunity institution and does not discriminate against persons because of race, religion, sex, age, handicap, color, citizenship or national origin. If responses from the unit staff are unsatisfactory, inquiries or complaints about illegal discrimination including sexual harassment or handicap access can be made to Employee Relations and Compliance (<https://louisville.edu/hr/employeerelations>) by calling (502) 852-6538.

The Redbook is the official statement of the organizational structure, the rules of governance and procedures, and university-wide policies of the University of Louisville. If there is any conflict between the policies, procedures or other statements contained within this catalog, *The Redbook* shall govern.

A copy of (<http://louisville.edu/provost/redbook/contents.html>) *The Redbook* is available electronically.

Additional policies and information covering students can be found in the Student Handbook (<http://louisville.edu/dos/students/studentpoliciesandprocedures/student-handbook>).

Admissions criteria for many of the colleges and schools are reviewed periodically. Students should contact their anticipated unit or the Office of Admissions for information on the requirements in effect at the time of admission.

Students should check with their academic advisor concerning the Cardinal Core or General Education Requirements in effect at the time of their admission.

- © University of Louisville (<http://louisville.edu>)
- Contact (<http://louisville.edu/contact.html>)

ABOUT THE UNIVERSITY OF LOUISVILLE



The University of Louisville (UofL) is a state-supported research university located in the largest city in the Commonwealth of Kentucky. UofL was initially chartered in 1798 as one of the nation's first urban institutions. Though grounded in a rich legacy, UofL is forward-thinking in its approach to teaching, research and service. As it focuses on the challenges and opportunities of the 21st century, the university advances the social and economic development of its community and its citizens.

UofL enrolls more than 22,000 students and offers undergraduate degrees in over 50 fields of study, master's degrees in over 70 areas, and doctoral degrees in over 35 disciplines. The university also is accredited to grant professional degrees in medicine, dentistry, and law.

UofL contributes significantly to the economic, cultural and intellectual life of the Louisville community, yet the magnitude of its achievements reach beyond Louisville into every corner of Kentucky and across the nation. Our network is over 130,000 strong, with alumni living all over the Commonwealth of Kentucky, the United States, and around the world. UofL has trained about 30 percent of Kentucky's physicians and attorneys and almost half of its dentists.

At UofL, students learn from faculty members who are experts in their subject areas. Nearly 93 percent of the 1,776 full-time faculty hold the highest degrees in their field. In addition to their classroom duties, UofL faculty are leading research projects funded at nearly \$138 million in federal, local, and private grants for Fiscal Year 2018.

Those same professors share the latest research, techniques, and knowledge with students in the classroom. Faculty and student researchers are aided by leading-edge computer systems and laboratories. They may also gather information from across the ages and around the world through the University Libraries system that offers more than 2.1 million volumes, 92,000 print and electronic journal titles journal subscriptions, and unique resources through its special collections and archives.

A diverse and active student body enriches the educational experience at UofL. Students of color represent almost 1 in 4 students and international students represent 4.5 percent of total enrollment. While Kentucky students account for the majority of the student population, with over 40 percent coming from Jefferson County, almost one-quarter of UofL students are from 53 other U.S. states and territories. 464 campus organizations help students meet new friends, develop leadership skills and explore new interests. Sports fans are able to enjoy Division I men's

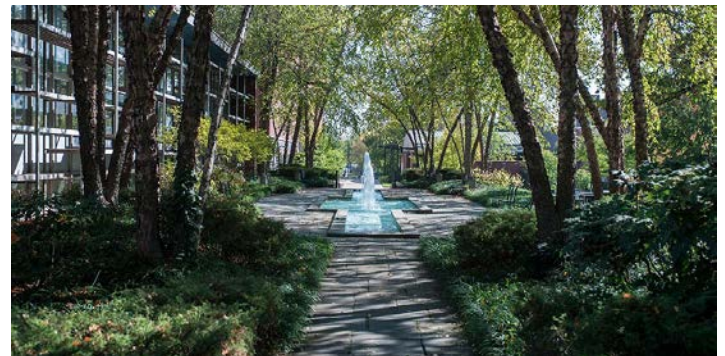
and women's athletics; UofL is a proud member of the Atlantic Coast Conference (ACC).

UofL's Belknap Campus is home to eight of its twelve academic schools and colleges: the College of Arts and Sciences, the College of Business, the College of Education and Human Development, the J.B. Speed School of Engineering, the Graduate School, the Brandeis School of Law, the School of Music, and the Kent School of Social Work. The Health Sciences Campus, located in the city's downtown medical complex, includes the schools of Medicine, Nursing, Dentistry, and Public Health and Information Sciences, along with UofL Hospital.

Additional information about UofL can be found on the following pages:

- Mission Statement (p. 7)
- History of the University (p. 10)
- Institutional and Professional Accreditation (p. 7)
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Mission Statement



The University of Louisville pursues excellence and inclusiveness in its work to educate and serve its community through:

1. teaching diverse undergraduate, graduate, and professional students in order to develop engaged citizens, leaders, and scholars;
2. practicing and applying research, scholarship and creative activity; and
3. providing engaged service and outreach that improve the quality of life for local and global communities.

The University is committed to achieving preeminence as a nationally recognized metropolitan research university.

As adopted by the Board of Trustees of the University of Louisville, January 14, 2016

Institutional and Professional Accreditation

Institutional Accreditation

The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate,

bachelor, master, specialist, doctoral, and first-professional degrees (DMD, JD, MD).

Individuals who wish to contact the Commission on Colleges regarding the accreditation status of the university may do so at:

Southern Association of Colleges and Schools Commission on Colleges

1866 Southern Lane
Decatur, Georgia 30033-4097
Phone: (404) 679-4500
Website: sacscoc.org (<http://sacscoc.org>)

Professional Accreditations

Accountancy (C, BS, MAC): Association to Advance Collegiate Schools of Business (AACSB International) (<http://www.aacsb.edu>)

Art Therapy/Expressive Therapy (MEd): American Art Therapy Association (<http://arttherapy.org>)

Audiology (AuD): Council on Academic Accreditation in Audiology and Speech-Language Pathology (<http://caa.asha.org>)

Business (Undergraduate and Graduate): Association to Advance Collegiate Schools of Business (AACSB International) (<http://www.aacsb.edu>)

Chemistry (BS): American Chemical Society (ACS) (<http://www.acs.org/content/acs/en/about/governance/committees/training/acapproved.html>)

Clinical Psychology (PhD): American Psychological Association (APA) (<http://www.apa.org>)

Clinical Mental Health Counseling (MEd): Council for Accreditation of Counseling and Related Educational Programs (CACREP) (<http://www.cacrep.org>)

Computer Engineering and Computer Science (BS): Computing Accreditation Commission of ABET, Inc. (<http://www.abet.org>)

Counseling Psychology (PhD): American Psychological Association (APA) (<http://www.apa.org>)

Dental Hygiene (BS): Commission on Dental Accreditation of the American Dental Association (CODA) (<http://www.ada.org/en/coda>)

Dentistry (C, MSD, DMD): Commission on Dental Accreditation of the American Dental Association (CODA) (<http://www.ada.org/en/coda>)

Education (BS, MAT, MEd, EdD, EdS): Education Professional Standards Board (<http://www.epsb.ky.gov>) (EPSB), Commonwealth of Kentucky; Council for the Accreditation of Educator Preparation (<http://www.caepnet.org>)

Engineering (BS and MEng): Engineering Accreditation Commission of ABET, Inc. (<http://www.abet.org>) (Bioengineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering, Computer Engineering and Computer Science programs)

Exercise Physiology (MS)/Exercise Science (BS): Committee on Accreditation for the Exercise Sciences (CoAES) (<http://www.coaes.org>)

Family Therapy (MSSW): Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) (<https://www.coamfte.org>)

Health Administration (MS): Commission on Accreditation of Healthcare Management Education (CAHME) (<https://www.cahme.org>)

Interior Design (BFA): Council for Interior Design Accreditation (CIDA) (<http://accredit-id.org>)

Law (JD): Section of Legal Education and Admissions to the Bar of the American Bar Association (ABA) (<http://www.americanbar.org/aba.html>), Association of American Law Schools (AALS) (<http://www.aals.org>)

Medicine (MD): Liaison Committee on Medical Education, a Joint Committee of the American Medical Association and the Association of American Medical Colleges (LCME) (<http://lcme.org>)

Music (BA, BM, MM, MME): National Association of Schools of Music (NASM) (<http://nasm.arts-accredit.org>)

Music Therapy (BM): National Association of Schools of Music (NASM) (<http://nasm.arts-accredit.org>)

Nursing (BSN, MSN): Commission on Collegiate Nursing Education (CCNE) (<http://www.aacn.nche.edu/ccne-accreditation>)

Paralegal Studies (AA): Section on Paralegal Education of the American Bar Association (ABA) (<https://www.americanbar.org/groups/paralegals>)

Public Administration (MPA): National Association of Schools of Public Affairs and Administration (NASPAA) (<http://www.naspaa.org>)

Public Health (C, MS, MPH, PhD): Council on Education for Public Health (CEPH) (<http://ceph.org>)

School Counseling (MEd): Council for Accreditation of Counseling and Related Educational Programs (CACREP) (<http://www.cacrep.org>)

Social Work (BSW, MSSW): Commission on Accreditation of the Council on Social Work Education (CSWE) (<http://www.cswe.org>)

Speech-Language Pathology (MS): Council on Academic Accreditation in Audiology and Speech-Language Pathology (<http://caa.asha.org>)

Sport Administration (BS, MS): Commission on Sports Management Accreditation (COSMA) (<http://www.cosmaweb.org>)

Theatre Arts (BS, MFA): National Association of Schools of Theatre (NAST) (<https://www.arts-accredit.org>)

Urban Planning (MUP): Planning Accreditation Board (PAB) (<http://www.planningaccreditationboard.org>)

Other Accreditations/Recognitions

Child Clinical and Pediatric Psychology Doctoral Internship Program: American Psychological Association (APA) (<http://www.apa.org>)

Clinical Chemistry (post-doctoral): Commission on Accreditation in Clinical Chemistry (COMACC) (<https://comacc.org>)

Cooperative Education (Speed School): American Council for Cooperative Education (ACCE)

Continuing Medical Education: Accreditation Council for Continuing Medical Education (ACCME) (<http://www.accme.org>)

Counseling Center: International Association of Counseling Services (IACS) (<http://www.iacsinc.org>)

Early Learning Center: National Association for the Education of Young Children (NAEYC) (<http://www.naeyc.org>)

Fort Knox Education Center: Military Installation Education Review (2009)

Graduate Medicine (House Staff): Accreditation Council for Graduate Medical Education (ACGME) (<https://www.acgme.org>)

Human Subjects Protection Program: Association for the Accreditation of Human Research Protection Programs, Inc. (AAHRPP) (<http://www.aahrpp.org>)

Research Resource Center: Association for Assessment and Accreditation of Laboratory Animal Care, International (AAALAC) (<http://www.aaalac.org>)

Resources for Academic Achievement (REACH) Tutor Training: College Reading & Learning Association (CRLA), International Tutor Training Program Certification (ITTPC) (<https://www.crla.net/index.php/certifications/ittpc-international-tutor-training-program>)

Strength Conditioning-Exercise Science (BS)/Exercise Physiology (MS): National Strength and Conditioning Association (<http://www.nsc.com>)(NSCA) Education Recognition Program

Disclosures

State Authorization for Distance Education Activities

The University of Louisville seeks to deliver all of our online programs in every state. We work through the State Authorization Reciprocity Agreement (SARA) process and with states directly to ensure that when authorization or licensure is necessary, required approvals are obtained.

SARA is a voluntary agreement that allows states and institutions to offer distance education in other participating states so long as the institution adheres to certain quality and consumer protection standards. More information on SARA can be found at [nc-sara.org](http://www.nc-sara.org) (<http://www.nc-sara.org>).

The Commonwealth of Kentucky is a member of SARA and UofL is an approved SARA institution. Though SARA authorizes the University to offer its programs in member states, there is the possibility that other state requirements not covered by SARA (such as requirements from state licensing boards) could necessitate the restriction of selected programs in certain states. Please note that should you choose to enroll in a restricted program in a particular state, there may be restrictions that could affect you.

Examples could include:

- You may be unable to sit for local licensing in that state
- You may be ineligible for consumer protection in that state
- You may not be able to complete field placements (practicum, internship, clerkship, etc.) in that state. This could affect licensure or recognition of the degree to meet particular requirements in that state.

Therefore, if you decide to enroll in any of the University of Louisville's restricted programs, or if you move during the course of your studies to a state where your program is restricted, please be aware that you are

taking a risk that you may not be able to complete that program or use any of the credit earned in that program should you decide to pursue licensing in that field in that state. Please note that the risks listed above are not exhaustive. Please verify with your state's professional licensing board that your plans are not impacted by these risks before enrolling in an online program.

For more information on online program availability in your state and/or important consumer disclosures relating to such issues as professional licensure, please visit the State Authorization Regulations (<http://louisville.edu/online/About-Us/state-authorization-regulations>) and Disclosures (<http://louisville.edu/online/About-Us/state-authorization-disclosures>) pages of the UofL online programs website.

Leadership

Dr. Neeli Bendapudi, President, University of Louisville

Board of Trustees

In accordance with the statutory authority of the Commonwealth of Kentucky, the Board of Trustees of the University of Louisville exercises final jurisdiction over the university. It selects the President of the university; upon recommendation of the President, it makes all appointments to the faculty and all appointments of individuals in administrative capacities who serve at the pleasure of the Board.

The Board of Trustees adopts a budget annually for the ensuing year and grants all degrees conferred by the university.

More information on the Board of Trustees, including current membership can be found at the Board of Trustees website (<http://louisville.edu/president/board-of-trustees>).

University Leadership

Neeli Bendapudi, PhD
President

Beth Boehm, PhD
Executive Vice President and University Provost

Robert S. Keynton, PhD
Interim Executive Vice President for Research and Innovation

Vacant
Executive Vice President for Health Affairs

Dan Durbin, MPA
Vice President for Finance and Administration/Chief Financial Officer

School and College Deans

Kimberly Kempf-Leonard, PhD

College of Arts and Sciences

Todd Mooradian, PhD
College of Business

T. Gerard Bradley, DMD
School of Dentistry

Amy Shearer Lingo, PhD
College of Education and Human Development

(Interim)

Emmanuel Collins, PhD
J.B. Speed School of Engineering

Paul DeMarco, PhD
Graduate School
(Acting)

Colin Crawford, JD
School of Law

Toni M. Ganzel, MD
School of Medicine

Teresa Reed, PhD
School of Music

Sonya Hardin, PhD, MBA, MHA, CCRN, NP-C
School of Nursing

Craig H. Blakely, PhD
School of Public Health and Information Sciences

David Jenkins, PhD
Kent School of Social Work

Robert E. Fox Jr., MBA, MLS
University Libraries

History of the University



The University of Louisville can trace its history back to the establishment of the Jefferson Seminary in 1798.

During the early 19th century, the growing importance of water transportation, coupled with a strategic location at the falls of the Ohio River, made Louisville a commercial hub for the South and West. As the city's population and economy advanced, so did its institutions. In 1837 the Louisville Medical Institute opened for its first class, and the next year, the city created the Louisville Collegiate Institute. The two schools had no official connection, but they both manifested the city's dream of intellectual as well as mercantile leadership. In 1844 the Collegiate Institute inherited property from the now-defunct Seminary.

The Louisville Medical Institute attracted large enrollments and prospered financially, but the Collegiate Institute struggled to remain open. Proponents of grassroots democracy wanted to combine the schools and divert a portion of the medical school's resources to the college. They won a partial victory in 1846 when the General Assembly merged the Medical and Collegiate Institutes as the University of Louisville, but the new charter offered complete vindication to neither interest. It created a

common board of trustees, but each division retained financial autonomy. The medical school continued to prosper, but as the liberal arts division struggled and failed to remain open, the newly added law school brought in a respectable number of students.

Most of the professors in the medical and law schools were drawn from the ranks of local physicians and attorneys who considered teaching a part-time vocation. By the 1880s and 1890s, however, the University felt some pressure from the educational reformers who not only believed schools should employ full-time instructors, but also advocated for well-enforced, national standards for academic training. In 1907, this trend contributed to the revival of the College of Arts and Sciences, which had been all but forgotten for most of the 19th century. As the university added new programs such as the Graduate School (1915), School of Dentistry (1918), Speed Scientific School (1925), Louisville Municipal College (1931), School of Music (1932), and Kent School of Social Work (1936), conformity to accreditation guidelines became increasingly important. Expanded academic programs and the adherence to higher educational standards led to the appointment of full-time administrators early in the 20th century.

World War II and the postwar era brought major changes to the University of Louisville. Shortly after the war, a movement began to close the all-black Louisville Municipal College and desegregate the University on all levels. This was accomplished in 1950 and 1951. The School of Business was established in 1953. Perhaps the most dramatic development of the postwar period was the movement of taxpaying citizens from the city to the suburbs. Since the University of Louisville was municipally-funded, this caused a damaging drain on the school's revenue. As early as 1965, a governor's task force suggested the possibility of the University of Louisville joining the state system of higher education, which it did in 1970.

Another major development occurred in 1994, when the Kentucky Council on Postsecondary Education designated University of Louisville as a research university, assigning it a statewide mission in medicine, dentistry, law and urban affairs.

In 1997, the state legislature revised the university's mission statement. University of Louisville was charged with becoming a "premier, nationally recognized metropolitan research university." The state also established the Research Challenge Trust Fund, which pumped more than \$118 million into research at University of Louisville, helping the university attract and retain a number of nationally recognized researchers and their teams. The fund, also known as "Bucks for Brains," has helped University of Louisville attract almost \$400 million in extramural funding, created 1,500 new jobs and had an economic impact of almost \$850 million.

One of the oldest metropolitan universities in the United States, University of Louisville has a long history of dedication to the needs of the Louisville urban area. In 2007, the university reaffirmed that mission through implementation of its Signature Partnership initiative, which formalizes its commitment to improving the lives of residents of some of Louisville's most disadvantaged neighborhoods. University of Louisville faculty, staff and students now support the city through hundreds of programs and partnerships in the areas of health, economic development, education and social and human services. In 2019, the university's presence in West Louisville was expanded to include a newly remodeled building in the Portland neighborhood, dedicated to additional space for the College of Arts & Sciences' Fine Art and Anthropology programs.

Recent years have seen the university set new marks for total degrees awarded, graduation rates, minority enrollments, and average ACT score

for entering students. UofL is regularly recognized for its commitments to social justice, diversity and inclusivity, with the university named a national leader for its programs to support and promote veterans, GLBTQ students, minority students, environmental sustainability, and more. The university is the state and national leader in producing Fulbright scholars, with over 120 UofL student-winners since 2003.

The university continues to grow and innovate to meet the changing needs of the Commonwealth. New academic programs and innovative forms of instruction further UofL's place in helping meet the needs of students and of the 21st-century economy. Expanded and improved campus facilities include new housing options, the Student Rec Center, updates to the Floyd Street corridor, expansion and remodeling of the Student Activity Center, expanded and updated facilities on the Health Sciences Campus, and the Belknap Academic Building—over 150,000 square feet of new space including new state-of-the-art classrooms and laboratories, group study areas, gathering spaces, and a Student Success Center—which opened in fall 2018.

2018 also saw the inauguration of Dr. Neeli Bendapudi as university president. Dr. Bendapudi is the university's 18th president and first female permanent president. She leads a university community made up of over 2,500 faculty, 4,400 staff, and 22,000 students all working together to make UofL a great place to learn, work, and invest.

Academic Calendar



2019-2020 Academic Calendars by Term Summer 2019

Summer 2019 Term I

Classes start	May 6	Monday
Last day to drop/add	May 7	Tuesday
Last day to withdraw	May 16	Thursday
Last day of classes	May 24	Friday
Degree date	August 7	Wednesday

Summer 2019 Term II

Classes start	May 28	Tuesday
Last day to drop/add	May 30	Thursday
Last day to apply for degree	June 5	Wednesday
Last day to withdraw	June 17	Monday
Last day of classes	July 1	Monday
Degree date	August 7	Wednesday

Summer 2019 Ten-Week Term

Classes start	May 28	Tuesday
Last day to drop/add	May 31	Friday
Independence Day holiday	July 4	Thursday
Provost-approved holiday	July 5	Friday
Last day to withdraw	July 10	Wednesday
Last day of classes/degree date	August 7	Wednesday

Summer 2019 Term III

Classes start	July 2	Tuesday
Independence Day Holiday	July 4	Thursday
Provost-approved holiday	July 5	Friday
Last day to drop/add	July 8	Monday
Last day to withdraw	July 24	Wednesday
Last day of classes/degree date	August 7	Wednesday

Speed Summer 2019 Term

Classes start	May 13	Monday
Last day to drop/add	May 16	Thursday
Memorial Day holiday	May 27	Monday
Last day to withdraw	June 21	Friday
Independence Day holiday	July 4	Thursday
Provost-approved holiday	July 5	Friday
Last day of classes	July 22	Monday
Final exam period	July 23-26	Tues.-Friday
Degree date	August 7	Wednesday

Kent Summer 2019 Term

Classes start	May 6	Monday
Last day to drop/add	May 9	Thursday
Memorial Day holiday	May 27	Monday
Last day to withdraw	June 19	Wednesday
Independence Day holiday	July 4	Thursday
Provost-approved holiday	July 5	Friday
Last day of classes	July 20	Saturday
Degree date	August 7	Wednesday

Nursing Summer 2019 Term

Classes start	May 15	Wednesday
Last day to drop/add	May 20	Monday
Memorial Day holiday	May 27	Monday
Independence Day holiday	July 4	Thursday
Provost-approved holiday	July 5	Friday

Last day to withdraw	June 26	Wednesday
Last day of classes	July 24	Wednesday
Degree Date	August 7	Wednesday

Fall 2019

Classes start	August 19	Monday
Last day to add/drop a course	August 23	Friday
Labor Day holiday	September 2	Monday
Mid-Term Break	October 7-8	Monday-Tuesday
Last day to withdraw	October 18	Friday
Thanksgiving holiday	Nov. 27-Dec. 1	Wednesday-Sunday
Last day of classes	December 2	Monday
Reading day	December 3	Tuesday
Final examinations	December 4-10	Wednesday-Tuesday
Degree date	December 13	Friday
December commencement	December 13 (tentative)	Friday

Winter 2019

Classes Start	December 11	Wednesday
Last day to drop/add	December 12	Thursday
Last day to Withdraw	December 20	Friday
Christmas Holiday	December 25	Wednesday
Last day of classes	January 2	Thursday

Spring 2020

Classes start	January 6	Monday
last day to add/drop a course	January 10	Friday
Martin Luther King, Jr. holiday	January 20	Monday
Last day to withdraw	March 4	Wednesday
Spring Break	March 9-15	Monday-Sunday
Last day of classes	April 20	Monday
Reading day	April 21	Tuesday
Final examinations	April 22-28	Wednesday-Tuesday
Degree date	May 9	Saturday
May commencement	May 9 (tentative)	Saturday

Note: The University reserves the right to change the announced academic calendar without prior notice.

Policy on Work-Restricted Religious Holy Days

Federal law and University policy prohibit discrimination on the basis of religious belief. It is the policy of the University of Louisville to accommodate students, faculty, and staff who observe religious work-restricted holy days. Students who observe work-restricted religious holy days must be allowed to do so without jeopardizing their academic standing in any course. Faculty are obliged to accommodate students'

request(s) for adjustments in course work on the grounds of religious observance, provided that the student(s) make such request(s) in writing during the first two (2) weeks of term.

Deans and department chairs must investigate and resolve student complaints arising from alleged faculty failure to make reasonable accommodation under these guidelines.

A calendar of typical work-restricted holy days is available through the Office of Diversity (<http://louisville.edu/provost/diversity/policies.html>). Information about specific holidays is also available by phone from the Office of the Provost at (502) 852-6153.

Academic Freedom

Academic institutions in a democratic society exist for the pursuit of truth, the development and conservation of knowledge, the transmission of learning, and the enhancement of the general well-being of such society. Free inquiry and free expression are indispensable to the attainment of these goals. The University of Louisville is, therefore, committed to protecting the academic freedom of all members of the University community.

Freedom to learn and freedom to teach are inseparable facets of academic freedom. Students have a right to their own views on matters of opinion, rather than fact, and a right to express those views in appropriate ways without fear of arbitrary reaction or improper disclosure of such opinions outside the classroom.

Teachers are entitled to full freedom in research, publication, academic evaluation, and classroom expression. Academic freedom carries the corresponding responsibilities to be thoroughly prepared and well informed in their fields of knowledge and to be scrupulous in distinguishing between personal and professional judgments and between fact and opinion.

Membership in the academic community imposes on students, faculty, staff, administrators, and trustees of the University an obligation to adhere to standards of academic honesty, to respect the dignity of others, to acknowledge their right to express differing opinions, and to foster and defend intellectual honesty, freedom of inquiry and instruction, and free expression both on and off the campus.

Source: University of Louisville Redbook, Section 2.5.1, approved July 1979.

Americans with Disabilities Act



Americans with Disabilities Act

The University of Louisville (UofL) is committed to providing equal opportunity for persons with disabilities. This commitment includes complying with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973. UofL strives to maintain a barrier-free, welcoming environment for all qualified persons with disabilities.

The university's ADA Coordinator oversees the University's compliance with the ADA and Section 504, and assists unit heads in meeting their equal opportunity obligations. The ADA coordinator is located in the Dean of Students suite in the SAC:

ADA Coordinator
SAC-W301
(502) 852-5787
titleix@louisville.edu

The Disability Resource Center staff (502-852-6938) will assist the University community by serving as an information resource center and coordinating support services for students with disabilities. No otherwise qualified individual with a disability shall, solely by reason of such disability, be excluded from participation in, be denied benefits of, or be subjected to discrimination in university programs. The President, Board of Trustees, Student Government, Faculty and Staff Senates affirm UofL's long standing and continuing commitment to Equal Opportunity for persons with disabilities.

Formal Student ADA Complaint Procedure

The university has a continuing responsibility to monitor and maintain its compliance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973 (Section 504) and their implementing regulations. Internal student complaints alleging non-compliance with the ADA and/or Section 504 should follow the university's complaint procedure (<https://louisville.edu/disability/students/formal-complaint-procedure>).

The university's formal complaint procedure provides for prompt and equitable resolution of complaints.

Complaints should be directed to the UofL ADA Coordinator at (502) 852-8757 or titleix@louisville.edu.

Filing a Formal Complaint of Disability Discrimination

A complaint must be filed in writing with the Coordinator. The complaint should contain the name and address of the person filing it and a brief description of the alleged violation. Upon receipt of the written complaint, the Coordinator or his designee shall acknowledge receipt within five workdays.

A complaint should be filed within 180 days after the complainant becomes aware of the alleged violation; however, a complaint filed after that point may be investigated in accordance with this procedure as necessary, in the judgment of the ADA Coordinator, to ensure the university's compliance with the ADA and/or Section 504.

An investigation, as may be appropriate, shall follow a filing of complaint. The Coordinator's office shall conduct the investigation. This University complaint procedure involves an informal but thorough investigation, affording all interested persons and their representatives, if any, an opportunity to submit information relevant to a complaint.

Following completion of the investigation, a written determination as to the validity of the complaint and a description of the resolution, if any, shall be issued by the Coordinator's office and a copy forwarded to the complainant and any individually-named respondent within 60 days of the date the complaint was filed. Should extenuating circumstances (e.g., unavailability of key witnesses, family emergency of investigative staff, etc.) prevent completion of the investigation and determination process within 60 days, the complainant and any individually-named respondents will be timely notified in writing, and will be kept apprised of the status of the Coordinator's handling of the complaint through resolution. In all disputes arising under Section 504 or the ADA the proper standard of proof is preponderance of the information (i.e., more likely than not that the violation alleged in the complaint is true).

The Coordinator's Office shall maintain the files and records relating to the complaints filed.

Requesting Reconsideration of a Determination

The complainant (and any individually named respondent, as appropriate) may request a reconsideration if dissatisfied with the Coordinator's determination. The request for reconsideration should be made in written or electronic form within 15 workdays to the Coordinator's Office.

Requests for reconsideration must present information showing that:

- The original determination applied the incorrect standard or applied the applicable standard incorrectly to the facts of the case; or
- New information that might affect the outcome of the determination but was not available to the Coordinator at the time of the original determination is now available and should be considered.

The Coordinator shall, barring extenuating circumstances that preclude a more timely response (in which case the complainant shall be updated as to the status of the reconsideration request), rule upon the request for reconsideration within 15 workdays after receipt of the request.

An Internal ADA complaint does not preclude other remedies.

The right of a person to a prompt and equitable resolution of the complaint filed hereunder shall not be impaired by the person's pursuit of other remedies such as the filing of a discrimination complaint with the responsible federal department or agency. Use of this complaint procedure is not a prerequisite to the pursuit of other remedies, nor does one's pursuit of outside remedies preclude one's filing a complaint pursuant to this procedure.

These rules shall be construed to protect interested persons, to meet appropriate due process standards, and to assure that the university complies with the ADA, Section 504, and their implementing regulations.

Drug-Free Schools and Campuses



Drug-Free Schools and Campuses Drug-Free Schools and Crime Awareness, Campus Security Information Report 1993, and Communities Act Amendments of 1989

Purpose and Goal

The University of Louisville is committed to protecting the safety, health and wellbeing of all students, faculty, and staff and other individuals in our workplace. As a recipient of federal grants and contracts, the university gives this notice to students, faculty, and staff that it is in compliance with the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V Subtitle D) and the Drug-Free Schools and Communities Act Amendment of 1989. Students, faculty and staff are herein notified of the standards of conduct that will be applicable while on university property, business, and/or at university-sponsored activities. This policy is incorporated and is a part of the official University of Louisville Policies and Procedures.

This policy recognizes that student, faculty, and staff involvement with alcohol and other drugs can be very disruptive, adversely affect the quality of work or academic performance of student, faculty, and staff, pose serious health risks to users and others, and have a negative impact on productivity and morale.

As a condition of employment or enrollment, the university requires that students, faculty, and staff adhere to a strict policy regarding the use and possession of drugs and alcohol. The university encourages students, faculty, and staff to voluntarily seek help with drug and alcohol problems.

Prohibited Behaviors

Under university regulations, federal law, state law, and, in some instances, local ordinance, students, faculty, and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on university property, on university business and/or at university-sponsored activities. Under this policy, students, faculty and staff are required to abide by state laws concerning alcoholic beverages.

Kentucky law (<https://apps.legislature.ky.gov>) (KRS 244.085 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=45137>)) states that, if one is under the age of 21, it is unlawful to:

- Possess or consume alcoholic beverages,
- Misrepresent one's age for the purpose of purchasing alcoholic beverages, or
- Use a fake ID in an attempt to purchase alcoholic beverages.

It is unlawful for anyone of any age to:

- Procure any alcoholic beverages for anyone under 21 years of age,
- Drink or be intoxicated in a public place (Public Intoxication KRS 525.100 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=19929>))

University campuses and buildings are considered as public places for purposes of these laws, except for a facility licensed to serve alcoholic beverages, and a facility used as a private residence, unless university regulations state otherwise. Ordinances of the Greater Louisville area parallel the state laws.

The specifically defined standards of conduct, the disciplinary procedures, and the appropriate sanctions are detailed in the Code of Student Conduct (p. 83), Personnel Policies and Procedures (PER-5.01), Staff Handbook (Disciplinary Action, page 8.2) and *The Redbook*.

In addition, it is a violation of state law to operate a motor vehicle while under the influence of any substance that may impair one's driving ability (drugs or alcoholic beverages).

Prescription and over-the-counter drugs are not prohibited when taken in standard dosage and/or according to a physician's prescription. Any student, faculty, and staff taking prescribed or over-the-counter medications will be responsible for consulting the prescribing physician and/or pharmacist to ascertain whether the medication may interfere with job or academic performance.

The illegal or unauthorized use of prescription drugs is prohibited. It is a violation of our drug-free workplace to intentionally misuse and/or abuse prescription medications. Appropriate disciplinary action will be taken if job or academic performance deterioration and/or other accidents occur.

Consequences for Violating This Policy

Under university regulation, students who violate this standard of conduct are subject to student conduct action from a warning to expulsion from the University. Students who reside in university housing are subject to further conduct action that may vary from a warning to termination of their housing contract.

Notice of Drug-Related Conviction

In compliance with the Federal Drug-Free Workplace Act of 1988, any employee shall notify the immediate supervisor if the employee is convicted of a criminal drug offense occurring in the workplace or while on university business within five days of the conviction. The university shall take appropriate sanction and remedies in accordance within its policies. The provisions of this section are applicable to students who are employees of the university. If the employee is under a federal contract or grant, the university shall notify the contracting or granting agency of the conviction and of its actions. This section of this policy is also applicable to students who receive a Pell grant (federal grant).

Health Risks

The scope and impact of health risks from alcohol and drug use are both alarming and well documented, ranging from mood-altering to life-threatening, with consequences that extend beyond the individual to family, organizations and society at large. The university, therefore, conducts regular programs to educate its students, faculty, and staff that consumption and use of drugs may alter behavior, distort perception,

impair thinking, impede judgment, and lead to physical or psychological dependence.

Alcohol and/or drug use may lead to the deterioration of physical health by causing or contributing to various health conditions including but not limited to fatigue, nausea, personal injury, insomnia, pathological organ damage, some forms of cancer, pancreatitis, heart attack, respiratory depression, birth defects, convulsions, coma, and even death. Alcohol and drug use may also result in deterioration of mental health by causing or contributing to various conditions such as increased aggression, hallucinations, depression, disorientation, and psychosis.

Alcohol consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increases the incidence of a variety of aggressive acts, including spouse and child abuse.

Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described. Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life-threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver.

Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and intellectual disabilities. In addition, research indicates that children of alcoholic parents are at greater risk than other children of becoming alcoholics.

Training, Counseling, and Resources

The University of Louisville is committed to the overall health and well-being of students, faculty, and staff and encourages a compassionate university.

Required online sexual assault prevention and alcohol awareness training programs

Consistent with federal law, UofL requires, as a condition of course registration, that all incoming students complete online sexual assault prevention training and, for students who will be under the age of 21 on the "add" deadline in the semester they matriculate at UofL, alcohol awareness training. Emails are sent to each student's UofL email account (beginning about 5 weeks before their first semester begins) to provide specific directions for accessing the training programs.

The sexual assault prevention course and alcohol awareness course are **two separate programs**. There is no fee for either program.

Visit the Title IX (<https://louisville.edu/titleix>) website for more information.

Kentucky Medical Amnesty Law

KRS 244.992 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=42516>) Medical amnesty for persons reporting an alcohol overdose:

(1) A person shall be immune from prosecution for the criminal offenses identified in subsection (2) of this section if:

(a) A law enforcement officer has contact with the person because the person:

1. Requests emergency medical assistance for himself or herself or another person;
2. Acts in concert with another person who requests emergency medical assistance; or
3. Appears to be in need of emergency medical assistance and is the individual for whom the request is made

See KRS 244.992 for full text.

Good Samaritan Consideration

The health and safety of our students is of the highest priority. At times, students may need immediate medical or other professional assistance. However, students may be reluctant to get help because of concerns that their own behavior may be a violation of the Code of Student Conduct (p. 83). Although policy violations cannot be overlooked, the University will consider the positive impact of reporting an incident when determining the appropriate response for policy violations.

Continuous efforts are made to make students, faculty, and staff aware of programs that provide information and professional services on matters related to the abuse of alcohol and drugs.

The Building Resilience In Campus Community (BRICC) Coalition, Counseling Center, Health Promotion Office, The PEACC Center, and the University of Louisville Police Department provide a number of programs and workshops using a tiered approach: a) primary prevention in the form of awareness, skill-building, and risk-reduction for all students and b) targeted presentations for specific high-risk populations.

The University Counseling Center is committed to assisting students with their mental health, personal development, and academic development. Because substance use is often connected to other personal/psychological issues, students coming to the Counseling Center with alcohol and substance use concerns are provided with support, appropriate therapeutic interventions, and referrals when necessary.

- Building Resilience in Campus Community (BRICC) Coalition: (502) 852-3442; louisville.edu/bricc
- Campus Health Services: (502) 852-6479; louisville.edu/campushealth
- Counseling Center: (502) 852-6585; louisville.edu/counseling
- Health Promotion Office: (502) 852-5429; louisville.edu/healthpromotion
- The PEACC Center: (502) 852-2663; louisville.edu/peacc
- University of Louisville Police Department: (502) 852-7233; louisville.edu/police

ADMISSION



Admission Standards

The University of Louisville subscribes to a selective admission policy. Admission for freshman applicants is based on:

1. High school grades,
2. ACT or SAT scores, and
3. Successful completion of the required pre-college curriculum.

Enrollment in the freshman class is limited. Within the limits of space availability, the University will endeavor to accommodate all eligible applicants. However, the number of freshman applications exceeds the number of spaces available in the entering class. For this reason, the selective and competitive admission requirements may exceed the minimum eligibility requirement.

The University of Louisville's minimum eligibility admission policy requires any applicant to have graduated from an accredited high school or received a high school equivalency certificate, have completed the pre-college curriculum, possess a grade point average (GPA) of 2.5, and have achieved at least one of the following:

- The applicant has earned a composite ACT score of not less than 20 or an SAT-I score of not less than 940 (CR+M); or
- The applicant has completed the UofL enhanced pre-college curriculum (PCC) with a minimum GPA of 2.5 on a 4.0 scale. The enhanced PCC consists of an additional two pre-college courses in mathematics, social studies, or science. These two courses may be taken in any combination within the three disciplines. The courses must be at or above the level of prescribed PCC; or
- The applicant ranks in the top 15% of the applicant's high school graduating class upon completing seven or eight semesters in high school.

Freshman applicants who do not meet the selection requirements may have their admission decisions deferred. Admission will be offered first to those applicants with the strongest records and offers will continue until the class is filled. Some factors that are considered during this review are: number and scope of college preparatory, honors and AP classes; strength of senior year schedule; and evidence of marked improvement over time in applicant's academic career. The overriding concern will always be for the student's potential to be successful in meeting the academic expectations at the University.

Students should refer to the individual academic unit admission policies, included in this catalog, for additional admission requirements. Students should be cautioned about the distinction between undergraduate and

graduate classifications when applying for admission to the University. For fee purposes, determination of "undergraduate" or "graduate" is based on the school or enrollment unit to which a student is admitted, and not on the level of courses taken.

Minimum Admission Standards for Public Universities in Kentucky (Pre-College Curriculum)

Students who enter one of Kentucky's public universities are required to have completed high school or high school equivalency certificate, and the pre-college curriculum (PCC). These are minimum standards and each university may require additional preparation of its students. The pre-college curriculum is a total of 22 approved units or courses including four units of English, three units of social studies, three units of mathematics (algebra I and II and geometry), two units of foreign language (same language), one half unit of physical education and health, one unit of history and appreciation of visual, performing arts, and 5 credits (3 rigorous) electives.

Students who are non-resident, 21 years of age or older or international are exempt from the PCC requirements.

The University may grant admission by exception to a limited number of the applicants admitted as first-time freshmen. Students admitted by exception will be required to enroll in courses to immediately remedy pre-college curriculum deficiencies.

Additional information and the definition of approved units is available from the Office of Admissions or from guidance counselors or principals in Kentucky high schools.

Applying for Admission

Listed below are the admissions procedures for the various populations and classifications of students.

All admissions credentials for undergraduate students should be mailed to this address:

Office of Admissions
Department-AO
University of Louisville
Louisville, KY 40292

Entering Freshman Students

Application deadlines are as follows:

- Fall Term: February 15
- Spring Term: November 1
- Summer Term: April 1

First-time freshmen applications and credentials received after the application deadlines listed above will be reviewed on a space available basis.

Students who have never attended any college should seek admission by the following steps:

1. Submit the application online (<http://louisville.edu/admissions/apply>).
2. Pay the application fee (payable by credit card or electronic check).
3. Mail the university a copy of the high school transcript.

4. Request that test scores from ACT (the American College Testing Program) or SAT (College Board) be sent to the university if they are not posted on the high school transcript.

Students will be notified of their admissibility to the university after receipt of this information.

Early Admissions

Students who apply for admission as a regular student, but do not plan to graduate from high school prior to enrolling in college, are considered early admissions applicants. In addition to submitting an application, high school transcript and ACT or SAT scores, early admissions applicants must submit a statement of motivation for beginning college prior to high school graduation, a letter of recommendation from their high school counselor, and a letter of endorsement from their parent/guardian. Early admissions applicants must also complete an interview with an admissions counselor. Students admitted under this status should be aware that they are not eligible to receive federal or state aid without high school diploma or GED.

Transfer Students

Transfer students are encouraged to apply earlier to allow ample time for evaluation of transcripts, advising, orientation, and registration.

Application Deadline: Transfer applications received at least six weeks prior to the beginning of a term will be given priority. Students transferring from another institution should take the following steps in seeking admission to the university:

1. Submit the application online (<http://louisville.edu/admissions/apply>) and pay the application fee (payable by credit card or electronic check).
2. Request that the registrar of each institution previously attended forward to the university an official transcript of all work completed or in progress. *Failure to declare previous attendance at another institution may result in disciplinary action.*
3. Students transferring with fewer than 24 transferable semester hours are required to take the ACT or SAT test if they have not done so previously, and submit a high school transcript. Students with fewer than 24 transferable semester hours must meet the admissions requirements for both new freshmen and transfer students.

All transfer students to the University of Louisville are required to participate in the Transfer Orientation Program. There is a fee for the Transfer Program.

For further Orientation Program information, go to louisville.edu/newcards.

Evaluation of Transfer Credit

For admission as a transfer student, applicants must submit official transcripts from all regionally accredited post-secondary institutions previously attended. The University of Louisville will determine a transfer GPA based upon the coursework completed at previous institutions. The University of Louisville does not transfer in technical or developmental coursework. Courses completed on a quarter system (or another system not based on semester hours) will be converted to semester hours. A student is required to complete 30 of his/her last 36 semester hours at the University of Louisville.

Official transcripts showing all undergraduate work and degrees awarded at every regionally accredited college/university previously attended must be furnished by the degree-seeking applicant. Credits earned at another

regionally accredited institution of higher education may be transferred to the University of Louisville. The Transfer Credit Practices report published by the American Association of Collegiate Registrars and Admissions Officers (AACRAO) will be the reference used for the evaluation of such credits.

Regional accrediting agencies include: Middle States Association of Colleges and Schools (MSA), North Central Association of Colleges and Schools (NCA-HLC), Northwest Commission on Colleges and Universities (NWCCU), New England Association of Schools and Colleges (NEASC-CIHE), Southern Association of Colleges and Schools (SACS), The Western Association of Schools and Colleges (WASC-ACSCU), and The Western Association of Schools and Colleges – Community and Junior Colleges (WASC-ACCJC).

Applicants with transfer credit from non-regionally accredited institutions may be considered for credit by petitioning for recognition of that credit. Applicants may petition for non-regionally accredited credit by completing the Undergraduate Transfer Credit Appeal Form form (<http://louisville.edu/admissions/apply/transfer/services/course-credit/undergraduate-transfer-credit-appeal-form>).

Undergraduate applicants who have attended post-secondary schools, colleges, universities, or professional institutions outside the United States must submit their academic records to Educational Credentials Evaluators, Inc. (ECE) or World Education Services, Inc. (WES) for a course-by-course evaluation. It is the applicant's responsibility to submit credentials to ECE or WES and to pay all charges for the evaluation. Only evaluations submitted directly from ECE or WES are accepted.

Additional information regarding transfer credit can be located on the Admissions website. (<https://louisville.edu/admissions/apply/transfer/services/course-credit>)

ULtra: The University of Louisville Transfer Program

The ULtra program (<http://louisville.edu/ultra>) combines the commitment and resources of the University of Louisville (UofL), Jefferson Community and Technical Colleges (JCTC), the Kentucky Community and Technical College System (KCTCS) and Jefferson County Public Schools (JCPS) so that all Kentucky students have access to a baccalaureate degree.

ULtra is a service for students who choose, or who are advised by UofL Admissions, to begin their academic career at JCTC (or any KCTCS institution) before transferring to UofL to complete a Bachelor's degree. These students are encouraged to complete an Associates' degree before transfer, but may transfer after completing 24 college credit hours with a minimum cumulative GPA of 2.0 (GPA requirements for some degree programs may be higher). ULtra is located on the JCTC Downtown campus and provides transfer-specific advising and admissions for UofL degree programs, connections to UofL, mentoring and assistance with the transfer process. Students interested in ULtra can learn more about programs, transfer coursework and opportunities by visiting louisville.edu/ultra or by calling (502) 213-4538.

For more information, please contact:

Tawana McWhorter
Jefferson Education Center, Suite 900
200 West Broadway
Louisville, KY 40202
(502) 213-2541
ultra@louisville.edu

Re-enrolling Students

If a student has a break in enrollment of two or more calendar years, that student must apply for readmission to an enrollment unit, and if admitted, will be subject to catalog requirements in effect at the time of readmission. Students who were not enrolled during the immediate past semester, but were enrolled within the last two calendar years, and who wish to continue in the school and program in which they were last registered are eligible to re-enroll. They need to complete the request to re-enroll form at the advising center of their academic unit or at the Registrar's Office. Students completing the re-enrollment process are eligible for early registration for the term in which they wish to return. Students whose last enrollment status was visitor, high school visitor, suspended or who were dismissed, must reapply. Students last enrolled in University College, Allied Health or Transitional Studies must also reapply through the Office of Admissions since these units are no longer in existence.

Visitors

Visiting students are those individuals who are pursuing a degree from another institution, but who plan to enroll at the University of Louisville for one semester. Submit the application online (<http://louisville.edu/admissions/apply>) and pay the application fee (payable by credit card or electronic check) for each semester you plan to attend.

Applicants to the Speed School of Engineering or College of Business must also include transcripts.

High School Visitors

A senior student who is presently enrolled in high school and who wants to take one or more college courses prior to graduating from high school will be considered a high school visitor. These students must submit an application, application fee, high school transcript, test scores (ACT, PSAT, or SAT), and a letter of recommendation from their high school counselor. Students who have not completed the first part of their junior year should contact the Office of Admissions for information concerning additional requirements for admission.

International Student Applicants

There are essentially three areas of concern for international applicants. They are:

1. Successful completion of a strong, quality academic program.
2. Proficiency in the English language.
3. Ability to demonstrate financial resources.

Students who are not U.S. citizens or immigrants will need to submit an admissions application to the Office of Admissions and financial documents to the International Center. The application provides information concerning the student's academic background and educational goals. First-time freshmen applicants and transfer applicants with less than 24 hours are not required to submit ACT or SAT scores, unless applying to the School of Music or Speed School of Engineering. Applications should be received by the Office of Admissions well in advance of the desired enrollment date in order to allow adequate time for processing. International student applicants should refer to the following list of application priority deadlines:

- Fall Semester: May 1
Term begins late August
- Spring Semester: November 1
Term begins early January

- Summer Semester: April 1
Various terms begin in May, June and July

When all required credentials have been submitted, the application will be reviewed by the Office of Admissions. Once an admissions decision has been made, the student will be notified.

International students applying to undergraduate programs will need to submit official transcripts of records from all secondary schools, universities, colleges, or professional schools attended. If official transcripts are not in English, you will also need to submit notarized English translations of your records. All post-secondary work must be submitted to Educational Credentials Evaluators, Inc. (ECE) or World Education Services, Inc. (WES) for a course-by-course evaluation. It is the applicant's responsibility to pay all charges for the evaluation. An application for evaluation and a brochure describing ECE's or WES's procedures, services and fees is available upon request from the Office of Admissions.

Continuing Studies

Continuing Studies is a non-degree granting unit that admits adult students who want to take courses on a part-time basis for personal enrichment or professional development. Students can earn college credit, but are not admitted into a degree program. In order to be eligible to apply to Continuing Studies, students must be at least 22 years old and have a high school diploma or high school equivalency certificate issued by a state department of education.

Continuing Studies students may enroll for a maximum of 8 hours in any semester or summer session. Students are required to maintain a 2.0 grade point average. Continuing Studies students are not eligible to receive state or federal financial aid.

Students may remain in Continuing Studies until they accumulate 24 credit hours. Students with 24 credit hours must apply for admission and be accepted by a degree-granting unit of the University if they wish to continue their course work.

University Orientation Programs

All new freshmen to the University of Louisville are required to participate in the Summer Orientation program during the months of May, June and July. Orientation is a two-day overnight program where new students will have the opportunity to interact with other new and current students, meet with an academic advisor for one-on-one counseling and be introduced to faculty and staff from across campus. Information regarding summer orientation is sent via email in the March and April previous to your enrollment. Please note it is mandatory that new freshmen attend an orientation program. Students must register for summer orientation via the orientation website. There is a fee for summer orientation.

Students admitted as post-baccalaureates, visitors, readmits, or intra-university transfers are not required to attend an orientation program.

Post-Baccalaureate Admissions

Students who hold at least a bachelor's degree and plan to enroll for undergraduate courses, but are not pursuing a second undergraduate degree are considered to be post-baccalaureate applicants. These students need to submit an official transcript certifying at least a bachelor's degree, an application for admission and any applicable application fee.

Online Courses and Programs

UofL offers approximately 40 degrees, certificates and endorsements fully online and nearly 700 courses from 8 colleges. Last year, more than 8,700 students took at least one online course and more than 1,700 students were enrolled in online programs. Online courses and programs are developed and taught by UofL faculty. In 2019, several of UofL's online programs were highly ranked by U.S. News and World Report. UofL is a military-friendly institution and most online programs offer a special tuition rate to active-duty service members.

University of Louisville's online courses are delivered through a user-friendly online learning platform, Blackboard, which allows students and instructors to interact, network and collaborate on class assignments and team projects, exchange thoughts and ideas, or share experiences.

Visit louisville.edu/online to learn more about our online programs. For a complete list of online courses available at UofL, visit hal.louisville.edu (select "Distance Education" in the "Location" field). For undergraduate and graduate online tuition rates, visit louisville.edu/bursar (select "Tuition and Fees").

Services for Students

Students enrolled in online courses and programs have access to various student support services available at a distance, including academic advising, writing support through the Virtual Writing Center, online tutoring through REACH, Library services, career services, and tech support. Visit louisville.edu/online/current for more information.

Services for Faculty

Faculty have access to instructional design and technology support through the Delphi Center for Teaching and Learning. Instructional designers help faculty build their online courses according to Quality Matters™ design principles. In addition, the Delphi Center provides faculty development for teaching online with its flagship program, Delphi U. Faculty have the option of taking this program in-person (in May only) or may choose the online option taught either in an instructor-led or self-paced format. One-on-one consultations and department-wide trainings are also available. Visit louisville.edu/delphi/resources for more information.

College Readiness Standards

Foreign Language Placement

The study of a foreign language is encouraged and required by some university majors. Students may choose to begin with the first semester in a new language or may choose to determine placement in language studies.

To determine placement, students may complete an online placement test (<http://louisville.edu/modernlanguages/placement-exam>) in Spanish, French, German or Russian, available at all times. Language exams can be taken on any computer with an Internet connection.

The Office of Testing Services administers the placement tests for Latin only (louisville.edu/testing/foreign-language-placement).

First-time, first-year students must take a language exam before May 15 each academic year to register for a language course section during Freshman Summer Orientation. To receive course credit for foreign language, see the Extramural Examinations tab on the Alternative Coursework page (p. 55).

If a student has significant experience in a language other than Spanish, French, German, Russian or Latin, the student should contact the Department of Classical and Modern Languages for information on placement or exemption at (502) 852-6686. Information may also be found online (<http://louisville.edu/modernlanguages/language-waivers/waiver-though-testing>).

Kentucky Administrative Regulation 13 KAR 2:02 (College Readiness Guidelines)

The Commonwealth of Kentucky has regulations for college readiness standards in writing, college reading, and mathematics. Admitted, degree-seeking students below 24 credit hours, and a GPA of at least a 2.00 on a 4.0 scale, who do not achieve the college readiness standards on the ACT sub-scores in writing, college reading, and mathematics or SAT equivalents or on the COMPASS or Next-Gen ACCUPLACER placement exams (reading and mathematics) are required by state mandate to complete interventions during their first college year.

Interventions may include the following:

- Enrollment in ENGL 101 and/or an appointment at the University Writing Center.
- GEN 105 which is a supplemented College Reading course linked to entry-level content courses.
- GEN 103 Supplemented, GEN 103 Regular, or GEN 104, or prerequisite JCTC Pathways developmental courses in mathematics (MAT 55).
- If students place into a JCTC Pathways mathematics course, they must continue to enroll each semester in mathematics and comply with the university's required sequence of courses including passing GEN 103 or GEN 104 before proceeding into a college-level mathematics course.
- Supplemented MATH 105 or Supplemented MATH 111.

College Writing Placement

The college readiness standard in writing is an ACT Writing sub-score of 18. Students with ACT Writing sub-scores below college readiness will register for ENGL 101 during their first college year.

If these students experience difficulty during ENGL 101, they will be encouraged to use the resources of the University Writing Center for supplemented support.

College Reading Placement

The state-wide, college readiness standard in college reading is an ACT Reading sub-score of 20. All first-year, degree-seeking students admitted with reading deficiencies are required to participate in placement testing and course registration as determined by their placement test results. Transfer students with 12 or more credit hours at the 100 level or above in general education courses with a 2.0 GPA are exempt from reading placement requirements.

Students with an ACT Reading sub-score of less than 20 (or an SAT Critical Reading score of less than 470) MUST take the Next-Gen ACCUPLACER exam. The exam serves as a second predictor of college reading readiness. Students who score less than 244 will be required to register for GEN 105 Special Topics in Supplemented College Reading. Advisors working with students are obliged to assist them in developing an individual schedule of classes that meets this state mandate and university requirement.

GEN 105 provides an intervention for college reading. Students who enroll in this course will receive 2 hours each week of supplemented

instruction in college reading, critical thinking, and study strategies. Students receive 1 hour of college credit (elective credit only) for GEN 105. Students will receive 3 additional hours of college credit for successful completion of the general education course section in Biology, History, or Psychology linked to GEN 105.

Students enrolled in GEN 105 will attend the general education lecture course for 3 hours each week and will attend GEN 105 for 2 hours each week. Students will attend a total number of 5 hours of class each week for these linked courses.

Mathematics Placement

The college readiness standard in mathematics is an ACT Mathematics sub-score of 19. The university determines placement in all entry-level mathematics based on the highest ACT mathematics sub-score. If a student scores above an ACT Mathematics sub-score of 20 or higher, placement will be in a credit-bearing course.

Otherwise, the following sub-scores in mathematics determine placement:

- Students with ACT sub-score of 0–18 are required to complete the Next-Gen ACCUPLACER exam in mathematics. Placement will result in Pathways MAT 55, GEN 103 (Supplemented or Regular), GEN 104, or an entry-level college mathematics course.
- Students with an ACT sub-score of 19–24, but less than the score required for a desired entry-level mathematics course, should complete the Next-Gen ACCUPLACER exam.
- All Engineering students, regardless of math score, will take the Algebra Readiness Exam (ARE) before Summer Orientation. The ARE is not used as a placement exam but is used to assess fundamental algebraic readiness in preparation for successful completion of the engineering calculus sequence.

Students with ACT sub-score of 25–26 who need MATH 205 have the following options: enroll in the prerequisite MATH 190 or complete the CLEP Pre-calculus exam.

Students with ACT sub-score of 21–22 whose majors require MATH 111 are strongly encouraged by their advisors to enroll in a Supplemented Section of MATH 111. If a section is unavailable, students are encouraged to enroll in GEN 104.

Students with ACT sub-score of 19 will initially be placed in Special Topics in College Mathematics, which is GEN 103 (for those needing MATH 105 for their major) or GEN 104 (for those needing MATH 107, MATH 109, MATH 111, MATH 112, or MATH 151). Students may take the Next-Gen ACCUPLACER for possible higher placement. Advisors working with students who have this sub-score are obliged to enroll students in the appropriate intervention course.

Placement and University Testing Services

All information regarding placement testing can be obtained from:

Office of Testing Services
Davidson Hall, Room 310
Louisville, KY 40292
(502) 852-6606
louisville.edu/testing

Students may direct questions and concerns to this office.

Students are encouraged to visit the testing website (<http://louisville.edu/testing/placement-testing-math-reading>) to obtain information on the options to complete placement testing. The math and/or reading Accuplacer exam may be taken at the Office of Testing Services on campus, remotely at another institution throughout the country, or virtually at home, 24/7 through a virtual testing company.

First-year students MUST complete all placement testing PRIOR to their Freshman Summer Orientation each year to enable registration for class during their session.

The Admissions Office notifies first-year students if placement testing is required in college reading and mathematics.

Speed School of Engineering Mathematics Placement:

Students admitted into the J.B. Speed School of Engineering are placed in the following math courses based on their ACT Math sub-score:

- Students with an ACT sub-score of less than 27 are required to start their studies in the ENGR 190 course.
- Students with an ACT sub-score 27 or above will start their studies in the ENGR 101 course.

Admission to the College of Arts and Sciences



College of Arts and Sciences

Gardiner Hall, Second Floor
University of Louisville
Louisville, KY 40292

Phone: (502) 852-6490

Email: asdean@louisville.edu

Website: louisville.edu/artsandsciences

Social: Facebook (<http://facebook.com/UofLArtsSciences>), Twitter (http://twitter.com/UL_ArtsSciences), Flickr (<http://www.flickr.com/photos/artsandsciences>)

Matriculation

Students are admitted to the College of Arts and Sciences on either a matriculated or non-matriculated basis. High school visitors, visiting students from other institutions, auditors, post-baccalaureate students, and students admitted as special students are considered non-matriculated. All other students are considered matriculated. Students planning to earn degrees from the College of Arts and Sciences must be matriculated in order for the credits they have earned to apply toward their degrees.

Students admitted on a non-matriculated basis will be notified by the Office of Admissions of their status and of the conditions of their enrollment at the time they are accepted. Students admitted on a matriculated basis remain matriculated until they graduate, transfer to another college, or are dismissed.

Transfer students who left their last institution in good standing and who have a standing of at least 2.0 on a 4.0 scale may, upon presentation of transcripts and satisfactory test scores (if applicable), request matriculation at the time of applying for admission.

Entering Arts & Science Freshmen Students

Admission for a normal course load is granted to students meeting the following requirements:

- Graduation from an accredited high school with a grade point average of 2.5 or better, or successful completion of the General Education Development (GED) tests.
- Completion of the State of Kentucky's Pre-College Curriculum (detailed in the Admission section (p. 16) of this catalog).
- A composite ACT score at or above the national mean.

Persons with deficiencies in the above areas may be eligible for admission under certain conditions:

1. Exceptionally gifted students who have completed three years of high school may be admitted by action of the College's Admissions and Appeals Committee, provided recommendations from high school counselors and teachers, previous academic records, test scores, and personal interviews indicate the ability to succeed in college-level work.
2. Students with pre-college curriculum deficiencies are, in general, not admissible if they lack two courses in one area or three courses overall. Exceptions are made if the student has a score of 22 (enhanced) or better on the appropriate ACT subtest. Other exceptions must be approved by the College's Admissions and Appeals Committee. Students admitted by action of the Admissions and Appeals Committee will be required to enroll in courses to remove pre-college curriculum deficiencies. All deficiencies must be removed by the time the student completes twenty-four (24) semester hours of degree credit. Deficiencies may be removed by successfully completing courses outlined in the Pre-College Curriculum detailed in the Admission section (p. 16) of this catalog.
3. Students who have a high school grade point average between 2.25 and 2.49 may be admitted if the composite ACT score is 23 or above.
4. Students who have a composite ACT score of 18-19 may be admitted if the high school grade point average is 3.0-3.25 or above.
5. A student whose ACT College Reading score is lower than 20 or whose SAT I verbal score is lower than 470 must participate in the state-mandated Supplemented Study Program in College Reading. During the first semester of enrollment, such students must register for one section of a non-mathematics Cardinal Core course offered with a supplemented college reading course (GEN 105). Specific courses in the supplemented program vary each semester and will be listed in the Schedule of Courses.
6. Students who graduated from an unaccredited high school may be admitted upon satisfactory completion of such examinations as the College faculty may require. For further information, consult the Admissions Office.

Conditional Admission

Students who do not qualify for automatic admission or who cannot remedy deficiencies as prescribed in 1-5 above may be admitted in conditional status if they meet the university's minimum admission standards.

1. Students admitted in conditional status whose ACT College Reading Scores are 18 or below or whose SAT I Verbal Scores are 430 or below, must participate in the state-mandated Supplemented Study Program in College Reading. During their first semester of enrollment, they must register for one section of a non-mathematics Cardinal Core course offered with supplemented study hours each week. Specific courses in the supplemented program vary each semester and will be listed in the Schedule of Courses.
2. Students admitted in conditional status must register for required developmental courses immediately following matriculation and must continue to do so until all deficiencies have been removed.
3. Students admitted in conditional status may register for a maximum of 14 credit hours of coursework in their first semester and 13 credit hours of coursework each semester thereafter until removed from conditional status. Not all courses are suitable for conditionally-admitted students and enrollment restrictions exist. Students should consult their academic advisor regarding courses for which they are eligible to enroll.
4. Students admitted in conditional status must be advised prior to registration each semester until removed from conditional status.

Students will be removed from conditional status when the following requirements have been met:

1. Successful completion of GEN 100 Student Success Center Orientation or GEN 101 Arts and Sciences Orientation;
2. Successful completion of all required developmental courses;
3. A grade point average of 2.0 or better on all college level courses; or
4. Completion of 24 degree applicable hours with a GPA of 2.0 or above.

Students not meeting the requirements for admission may be admitted on a non-matriculated basis as special students by consent of the Dean or by action of the Admissions and Appeals Committee. Special students must pay the regular fees. Special students may not become candidates for degrees except by subsequently satisfying the requirements for admission on a matriculated basis.

High School Visitors

The College offers qualified high school students the opportunity to earn college credits by enrolling in selected freshman-level courses (i.e., courses at the 100- or 200-level). The program is open to high school seniors and, in exceptional cases, to juniors. In order to be admitted as a high school visitor, a student must submit an application, a high school transcript showing minimum grade point average of 3.0, test scores on the ACT or SAT in the top 70th percentile, and a recommendation letter from his or her high school counselor or principal. High school visitors may enroll in one or two courses each semester and may earn a maximum of 24 college credits. All grades earned by high school visitors will be recorded on an official university transcript.

Transfer Students

Students who seek admission to the College with credit for work taken at another institution or in another college or school of the University of Louisville are transfer students. Such applicants may be admitted in good standing, admitted in special status, or denied admission.

Admission in good standing requires:

- A grade point average of 2.0 or better on a 4.0 point scale based on all work attempted, excluding developmental courses (see “Transfer Students” in the Admission section (p. 16) of this catalog);
- Good standing at the institution of last attendance, including eligibility to return to that institution;
- Full disclosure of previous attendance in another school or college of this University and/or any other post-secondary institution.

Transfer students with fewer than twenty-four (24) acceptable credits must submit high school transcripts and ACT scores and must meet the requirements for freshmen.

Admission in Special Status

Transfer students not meeting the above criteria may be admitted only in special status by action of the Admissions and Appeals Committee. Such students are subject to the following guidelines:

- Remain in special status with limited load as specified by the Admissions and Appeals Committee for a minimum of 24 semester hours.
- Maintain a minimum 2.0 semester grade point average for the first 24 semester hours attempted in courses applicable to an Arts and Sciences degree.

A student will be removed from special status after 24 semester hours if his/her cumulative grade point average is 2.0 or above.

A transfer student admitted in special status will be suspended if his/her semester grade point average is lower than 2.0 at the end of any semester.

Students ineligible for admission in the College because of disciplinary action in another institution or another school of this University may be ruled eligible for admission to the College by the dean; students who violate the full disclosure requirement will be referred to the Admissions and Appeals Committee for determination of a mandatory withdrawal from the College for a period stipulated by the committee.

Additional Transfer Requirements

To be eligible for a degree from the College of Arts and Sciences, students transferring from a four-year institution must complete at least 30 hours of work applicable to the degree as a student enrolled in the College, including 30 of the final 36 hours and a minimum of 6 credits in the declared major. Students transferring course work from a two-year college are cautioned that a maximum of 60 semester hours of credit from a two-year college may be applied toward the minimum hours required for a baccalaureate degree. The remaining semester hours of the minimum 121 hours required for the baccalaureate degree must be completed at a four-year institution. If a student has earned more than 60 semester hours at a two-year institution, the additional work may, if equivalent, be applied toward fulfillment of general education or other requirements, but will not be applied toward earned hours.

Students must complete at least 50 semester hours of course work numbered 300 or higher. Work from a two-year or community college usually will not apply to this requirement. For this reason, students planning to transfer to this College from a community college or a two-year college are advised to complete the lower-level portion of the College's Cardinal Core requirements and the foreign language series prior to transferring. Courses offered at the 300 level or higher at another institution may not be equivalent to College courses numbered 300 or higher. If a course is accepted in transfer at the 300, 400, or 500 level, however, it will be counted towards the 50 semester hour requirement mentioned above. Students who have transferred to the College should meet with an academic counselor of the Arts and Sciences Advising Center for assistance in evaluating their records for transfer credit.

Transfer Credit Evaluation

The College recognizes appropriate course work done at other accredited universities and colleges and accepts that work according to the principles set forth in the American Association of Collegiate Registrars and Admissions Officers Transfer Credit Practices and state law. Transfer work that is college-level, academic in nature, and earned at appropriately accredited institutions will be accepted as credit toward degree, consistent with policies in effect for resident students. Transfer students must be aware that majors and/or programs may require a minimum grade of a C or better for major admission and certain degree requirements.

Work graded on a pass/fail basis as “Pass” will not count toward fulfillment of general education requirements, the language requirement, or requirements specified in the student's major program.

Courses that meet general education requirements may be transferred under course equivalencies established in the Office of Transfer Services. In cases where no equivalency is established, the Office of Transfer Services will direct students to the university academic department, school or college where similar courses are offered for evaluation of transfer credits. Students may also work with advisors in A&S to assist in this process.

Transfer students who wish to major in creative art will be required to submit portfolios before they can take 300-level creative art classes (consult the Department of Fine Arts (<http://louisville.edu/art/Undergraduate>)).

Foreign Students

Foreign students who have a secondary school record sufficient to predict college success and who demonstrate proficiency in the English language will be admitted to the College of Arts and Sciences. Refer to the Admission section (p. 16) of this catalog for more information about International student admission requirements.

Auditors

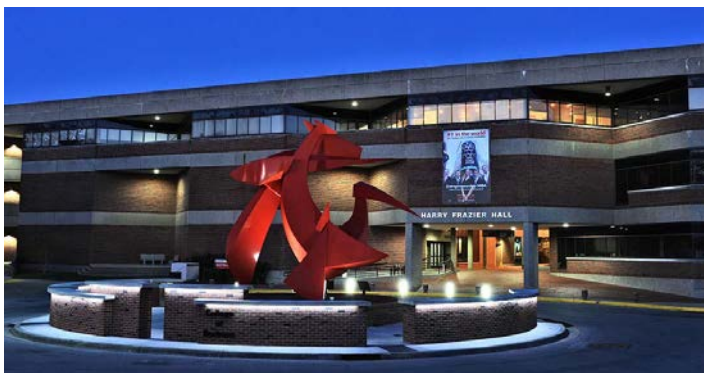
Persons not eligible for admission to the College, or not seeking admission for the purpose of taking courses for credit, may receive permission to take courses as auditors. All persons who audit classes must pay the regular fees. Persons whose enrollment in the College was limited to audited courses may not change to a credit basis for any course they are auditing unless they have reapplied for admission to the College and have been admitted prior to the deadline for change of status from audit to credit. Regularly-enrolled students may also enroll in classes as auditors. Permission of instructor is required to enroll

as an auditor. Students may not enroll in audit status during the early registration period (See Auditing Courses (p. 59)).

Pre-Unit Students

Students seeking admission to another academic unit of the university who do not satisfy all of that unit's entrance requirements may be admitted to the College of Arts and Sciences as a pre-unit student. Students admitted as pre-unit students are administratively housed in the College until they satisfy all of their intended academic unit's intra-unit transfer requirements. Persons admitted as pre-unit students should consult their desired unit's section of the catalog and/or website for more information about these transfer requirements. Pre-unit students are to be advised in A&S advising in accordance with College policy until they successfully transfer into another unit.

Admission to the College of Business



College of Business
Harry Frazier Hall
University of Louisville
Louisville, KY 40292

Phone: (502) 852-7439
Email: business@louisville.edu
Website: louisville.edu/business
Social: Facebook (<http://www.facebook.com/UofLArtsSciences>), Twitter (http://twitter.com/UL_ArtsSciences)

Admission to the College of Business

Students are admitted to the College of Business on either a degree-seeking or non-degree-seeking basis. High school visitors, visiting students from other institutions, auditors, post baccalaureate students, and students admitted as special students are considered non-degree seeking. They will be notified by the Office of Admissions of their status and of the conditions of their enrollment at the time they are accepted. All other students are considered degree-seeking.

Students planning to earn degrees from the College of Business must be degree-seeking in order for the credits they have earned to apply toward their degrees. Students remain in a degree-seeking status until they graduate, transfer to another college or university, or are suspended/dismissed.

Freshman admission to the College of Business is granted to those meeting the following requirements:

Either

1. An ACT composite score of 25 or above (SAT 1130 or above), a high school GPA of 3.0 or above, and an ACT Mathematics score of 23 or above (SAT 560 or above)

or

2. An ACT composite score of 22, 23 or 24 (SAT 1020-1120), a high school GPA of 3.3 or above, and an ACT Mathematics score of 23 or above (SAT 560 or above)

Transfer Students

Students who seek admission to the College with credit for work taken at another institution, or in another college or school in the University of Louisville, are transfer students. Such applicants may be admitted in good standing, in conditional status, or denied admission.

Internal Transfers

Admission in Good Standing

- Students with less than 15 transferable hours are considered in a similar fashion to freshman students and must meet the admission requirements for new freshmen and have a minimum college GPA of 2.8.
- Students with 15 or more transferable credit hours must have both:
 - a. Earned a 2.8 cumulative GPA (students with an established UofL GPA may not include grades for coursework at another institution in consideration for admission); and
 - b. Completed the following courses with a letter grade of B-minus or better:
 - MATH 111 College Algebra - QR (or equivalent) or completion of MATH 180
 - ACCT 201 (or equivalent)
 - Either ECON 201 or ECON 202 (or equivalent)

Admission in Conditional Status

Students who have a 2.8 university GPA, 15 or more credit hours completed, and a B-minus or better in two of the three courses listed above, can petition for admission on an exception basis. Students admitted under this petition process will be admitted in conditional status.

Students admitted in conditional standing must be advised, and are restricted to 13 credit hours per semester. Students admitted in conditional standing must earn a 2.0 cumulative GPA or a 2.5 semester GPA following admission to avoid suspension as consistent with the COB policy on Academic Status. Students in conditional standing will become students in good standing when their University GPA is 2.0 or above after the next semester completed.

External Transfers

Admission in Good Standing

Admission in good standing requires:

- A grade point average of 2.8 or better on a 4.0 scale based on all work attempted for college credit. (If previously enrolled at UofL, GPA will be calculated only on UofL work attempted for college credit.) (See "Transfer Students" in the Admission section (p. 16) of this catalog);
- Good standing in the institution of last attendance, including eligibility to return to that institution;

- Full disclosure of previous attendance in another school or college of UofL and/or any other post-secondary institution.

Transfer applicants to the College of Business with less than 24 transferable credits from another accredited institution will be required to submit college transcripts, a final high school transcript, and ACT or SAT scores. In addition to meeting the 2.8 transfer college GPA, they must meet all new freshmen requirements for COB applicants with the following exception. Students meeting the high school GPA and composite ACT or SAT requirements, but not meeting the math score requirement can be admitted if they have successfully completed a college math class at the college algebra level or higher.

Transfer applicants to the College of Business with 24 or more transferable credits from accredited institutions must have a 2.8 college GPA and have completed the following courses with a letter grade of B-minus or better.

- MATH 111 College Algebra - QR (or equivalent) or completion of MATH 180
- ACCT 201 (or equivalent)
- Either ECON 201 or ECON 202 (or equivalent)

Admission in Conditional Status

Students who have a 2.8 university GPA, 24 or more transferable credits, and a B-minus or better in two of the three courses listed above can petition for admission on an exception basis. Students admitted under this petition process will be admitted in conditional status. Students admitted in conditional standing must be advised, and are restricted to 13 credit hours per semester. Students admitted in conditional standing must earn a 2.0 cumulative GPA following admission to avoid suspension as consistent with the COB policy on Academic Status. Students in conditional standing will become students in good standing when their University GPA is 2.0 or above after the next semester completed.

Other Applicants

Students whose last attendance at UofL resulted in academic suspension must petition for readmission. (See section covering College of Business policy on Academic Status.) Students who were suspended from another institution and/or another fully accredited Business program must petition for admission. Students ineligible for admission in the College because of disciplinary action in another institution or another school of this University may be ruled eligible for admission to the College by petitioning to the College of Business Undergraduate Studies Committee. Students who violate the full disclosure requirement will be referred to the COB Undergraduate Studies Committee for determination of a mandatory withdrawal from the College for a period stipulated by the committee.

Additional Transfer Requirements

To be eligible for a degree from the College of Business, students transferring must:

- Complete at least 30 of the final 36 semester hours applicable to the degree as a student enrolled in the University of Louisville.
- Complete a minimum of 12 credit hours in the declared major at UofL.
- Complete at least 48 hours of coursework numbered 300 or higher. Work from a two-year or community college will not apply to this requirement. For this reason, students planning to transfer to this College from a community college or two-year college are advised

to complete only the lower level portion of the College's general education requirements prior to transferring.

- Must earn a 2.0 University GPA and a 2.0 GPA in the major.

Students who have transferred to the College must meet with an academic advisor of the COB Reinhardt Academic Center for assistance in evaluating their records for transfer credit.

The College of Business recognizes appropriate coursework done at other accredited universities and colleges and accepts that work according to the principles set forth in the American Association of Collegiate Registrars and Admissions Officers Transfer Credit Practices Guide and state law. Transfer work that is college level, academic in nature, and earned at appropriately accredited institutions will be accepted and posted as credit earned (i.e., with no grade) consistent with policies in effect for resident students. Students must be aware that majors and/or programs may require a minimum of a B-minus or better for certain degree requirements. Students admitted to the COB from other fully accredited institutions will receive credit for academic courses, but the applicability of transfer credit toward a business degree will be determined by the COB Undergraduate Studies Committee. Courses will be evaluated not only based on content but also as to level. Course level is determined by lower division (numbered 100-299) and upper division (numbered 300-499). A transfer business course must have been taken at the same level as the equivalent course at the University of Louisville to meet degree requirements.

Courses that meet general education requirements may be transferred under course equivalencies established in the Office of Transfer Services. In cases where no equivalency is established, the Office of Transfer Services will direct students to the university academic department, school or college where similar courses are offered for evaluation of transfer credits.

Other Admissions

Visiting Students

Visiting students from other institutions who wish to take courses in the College of Business may enroll in non-degree seeking status and must follow the procedure outlined in this catalog (p. 16). Visiting students are not eligible for COB co-ops and must meet all prerequisite requirements.

College of Business students will be allowed to visit other colleges or universities only with written permission of the Reinhardt Academic Center (Frazier Hall, room 024).

Considerations include academic standing (students must be in good academic standing), residency requirement, course equivalency, and number of course credit hours. Total course load cannot exceed 18 hours. Failure to follow these guidelines may result in loss of credit.

Auditors

Persons not eligible for admission to the College, or not seeking admission for the purpose of taking courses for credit, may request permission to take courses as auditors. Permission of the Department Chair is required to enroll as an auditor. All persons who audit classes must pay the regular fees. Persons whose enrollment in the College was limited to audited courses may not change to a credit basis for any course they are auditing. Regularly enrolled students may also enroll in classes as auditors. Students may not enroll in audit status during the early registration period.

Admission to the Dental Hygiene Program



School of Dentistry

Office of Student Affairs and Admissions
501 South Preston Street Room 234
Louisville, Kentucky 40292

Phone: (502) 852-5081
Email: dhygiene@louisville.edu
Website: louisville.edu/dentistry/degrees/hygiene

Admission Requirements

The School of Dentistry offers the Bachelor of Science in Dental Hygiene.

Admission into the Dental Hygiene program is a tiered process: Lower and Upper Division. Students apply to the Lower Division to complete general education and program pre-requisite courses on the Belknap Campus. Students apply to the Upper Division to complete the professional component of the Bachelor of Science Dental Hygiene Degree Program on the HSC Campus.

All applicants should refer to the information included in the University of Louisville catalog relative to general admission policies. Admission to the Lower Division does not guarantee admission to the Upper Division. Admission to the Upper Division is competitive.

Visit our website for more information (<http://louisville.edu/dentistry/degrees/hygiene>). (<http://louisville.edu/dentistry/degrees/hygiene>)

Admission to the Lower Division

Students may be admitted directly to the School of Dentistry's Lower Division (pre-professional) if the minimum admission standards and university deadlines are met. Applications must be submitted to the Office of Undergraduate Admissions and are available online. Students admitted to the Lower Division may also qualify for the program's Guaranteed Early Admission to the Professional Program. Information regarding early admission and general admission standards are found below and online (<http://louisville.edu/dentistry/degrees/hygiene>).

Admission in Good Standing

To be admitted to the Lower Division in good standing, beginning freshmen and transfer applicants with less than 24 hours must meet the following requirements:

- Graduation from an accredited high school with a grade point average of 2.8 or higher, have a GED, or equivalent by petition (for example, home school education).
- Completion of the pre-college curriculum
- Composite ACT score of not less than 21 or 20 with a GPA of 3.0 or above

Intra-university Transfer Students

Students who have completed at least one semester in another school of the University with a grades point average of at least 2.8 and have a cumulative grade point average of 2.8 or above for all college coursework may apply for an intra-university transfer to the Lower Division Program in Dental Hygiene. They must complete an online change major application (<https://louisville.edu/provost/iut>).

Students admitted through this process must be advised before registering for courses in their first semester in the dental hygiene lower division pre-professional curriculum.

Transfer Students

Transfer applicants with 24 hours or more must have a college grade point average of 2.8 or higher to be admitted to the Lower Division in good standing. Students transferring into the Lower Division must submit ACT or SAT scores when applying to the Upper Division.

Transfer Grade Acceptance

The University of Louisville recognizes appropriate course work completed at other accredited universities and colleges and accepts that work according to the principles set forth in the American Association of Collegiate Registrars and Admissions Officers Transfer Credit Practices and state law. Transfer work that is college-level, academic in nature, and earned at appropriately accredited institutions will be accepted and posted as credit earned (i.e., with no grade) and will be accepted as credit toward degree, consistent with program requirements in the Dental Hygiene Program. All graded transfer work, however, will be used to calculate GPA for Upper Division admission purposes.

Transfer Equivalency Determination

Courses that meet general education and program requirements may be transferred under course equivalencies established in the Office of Transfer Services. It is the student's responsibility to read the catalog, student handbooks, and official notices (e.g., University of Louisville School of Dentistry Dental Hygiene Program website and emails) to be informed about credits, requirements, and to abide by the regulations of the University and the School of Dentistry.

Early Admission to the Upper Division

Each year, the dental hygiene admissions committee may reserve space in each dental hygiene upper division cohort for offers of early admission.

Matriculation is conditional upon the successful completion of program prerequisites and maintenance of specific academic criteria given at time of acceptance. Students must still complete admission requirements of the upper division, including completion of the DHCAS application to the upper division. Students forfeiting their conditional offer of early admission may still apply for admission to the upper division with the traditional applicant pool. Students interested in early admission to the upper division are encouraged to contact the program academic counselor for more details on how to apply.

Admission to the Upper Division

Admission to the Upper Division is competitive. Admission to the Lower Division does not guarantee admission to the Upper Division. To be considered for admission, applicants meeting the below minimum requirements may be eligible to apply. Advising to evaluate applicant readiness is encouraged for all students and required for freshman students. Applicants meeting the minimum academic requirements are not guaranteed admission to the program.

Course Requirements

- Minimum 2.8 cumulative GPA (based on all college courses completed at accredited post-secondary institutions, as listed on all official transcripts).
- Have completed or be in the process of completing 54 credit hours of degree applicable courses, including specified general education and program pre-requisites. Students must have courses completed prior to the start of the professional program. Transfer students are encouraged to review course equivalency for verification.

Additional Admission Requirements

- Dental Hygiene Professional Application through the ADEA Dental Hygiene Centralized Service (DHCAS), available online at [adeadhcas.org](http://www.adeadhcas.org) (<http://www.adeadhcas.org>).
 - Application deadline is **January 15** and only complete applications, including all required materials, will be reviewed for admission.
- Required DHCAS materials include:
 - ACT/SAT Scores
 - Documentation of at least 12 hours of dental hygiene observation
 - Response to personal statement(s) addressed within application
 - Letters of recommendation submitted directly from recommender including two (2) from instructors, one of whom must be science, and one (1) from a personal/work/community reference.
- Official transcripts from all previously attended institutions

University application requirements for admission:

1. Transfer students not currently enrolled in UofL must also complete the UofL undergraduate application, specifying dental hygiene (DHL) as a major selection (if admitted transfer students will be moved to DHU).
2. UofL students not enrolled in DHL must submit a change major form (<https://louisville.edu/provost/iut>), specifying DHL for the designated Fall semester.
3. UofL DHL students need only submit application through DHCAS.
4. TOEFL scores for applicants whose first language is not English. Because command of the English language is essential for successful professional school study, non-native English speaking applicants, regardless of citizenship, must demonstrate their English proficiency through the Test of English as a Foreign Language (TOEFL). Preference is given to candidates with a minimum score of 100 and with listening and speaking section scores at 26 or above. The institution code for submitting TOEFL scores to the UofL School of Dentistry is **5933**. Students who have graduated from a high school in which English is the primary language and/or has

completed a minimum of 30 credit hours in a fully accredited U. S. college or university qualify for a waiver of the TOEFL requirement.

Applicants **must** comply with the minimum technical standards (<http://louisville.edu/dental/hygiene/admission/upper/Minimum%20Technical%20Standards%20Form.pdf>) for admission and matriculation with or without accommodation and the immunization requirements for all Health Sciences students. Compliance with the immunization requirements for all Health Sciences students is **mandatory**.

Immunizations requirements have been established to safeguard the health and well-being of patients, students and all health care workers and can be found on the Campus Health website (<http://louisville.edu/campushealth/information/immunizations/health-professional-students>).

Upper Division Transfers from Another Dental Hygiene Professional Program

The University of Louisville School of Dentistry considers Upper Division Dental Hygiene transfer students (coming from professional study in another dental hygiene program) on a case-by-case basis. Only individuals who are in good standing at their present dental hygiene school (or were in good standing when they left) are considered to be eligible as a transfer student. Upper Division transfers students will be required to meet with the program director for academic review and recommendation.

Admission to the College of Education and Human Development



College of Education and Human Development

Woodford R. and Harriett B. Porter Building
University of Louisville
Louisville, KY 40292

Phone: (502) 852-5597

Email: edadvise@louisville.edu

Website: louisville.edu/education

Social: Facebook (<http://www.facebook.com/uofleducation>)

Admission Requirements

Students are admitted to the College of Education and Human Development on either a degree-seeking or non-degree seeking basis. High school visitors, visiting students from other institutions, auditors, and post baccalaureate students are considered non-degree seeking. Non-degree seeking students will be notified by the Office of Admissions of their status and of the conditions of their enrollment at the time they are accepted. All other students are considered degree-seeking.

Students planning to earn degrees from the College of Education and Human Development should submit an application for admission to the Undergraduate Admissions Office of the University. Students must apply for readmission if they do not enroll in classes for two or more years, and they must follow the catalog requirements in place at the time of readmission.

Students applying with less than 24 credit hours are admitted in good standing with the following:

- High school grade point average is 2.50 or above, or successful completion of the General Education Development (GED) tests
- Completion of the Kentucky Pre-College Curriculum
- ACT composite score of 21 or above
- (If college credit has been earned) a cumulative college grade point average (based on degree applicable credits) of 2.25 or above

Students applying with less than 24 credit hours who do not meet the above criteria may be admitted in conditional status subject to University admission guidelines for new Freshmen.

Note: Students who are 21 years of age or older are exempt from the Pre-College Curriculum requirements.

Students applying with 24 credit hours or more are admitted in good standing if their cumulative grade point average is 2.25 or above. Students admitted in good standing must maintain a University of Louisville cumulative grade point average of 2.25 or above to remain in good standing status. Students applying with 24 credit hours or more are admitted in conditional status if their cumulative grade point average is 2.00 to 2.24. Students admitted in conditional status may enroll in no more than 13 credit hours (10 credit hours in the summer). Students admitted in conditional status who earn a University of Louisville semester grade point average of 2.25 or above will be placed in good standing. Students admitted in conditional status who earn a University of Louisville semester grade point average less than 2.25 will be placed in academic warning status.

Admission in Special Status

Students whose cumulative college grade point average (based on degree applicable credits) is below 2.00 may petition the College of Education and Human Development Standards and Admissions Committee for consideration for admission in Special Status. Conditions for admission in special status and continuance in special status will be decided by the College of Education and Human Development Standards and Admissions Committee based upon a student's academic background and circumstances.

Transfer Students

A student transferring from another institution should take the following steps in seeking admission:

1. Complete an undergraduate application and submit to the Admissions Office, University of Louisville, for admission to the College of Education and Human Development. Undergraduate applications are available online (<https://admissions.louisville.edu/ugrd>).
2. Request that official transcripts from each institution previously attended be sent to the Admissions Office, University of Louisville. **Please note:** A student who fails to declare previous attendance at another institution may be dismissed.

3. Schedule an appointment with Education Advising and Student Services to have an official program prepared.

Additional Program Requirements Organizational Leadership and Learning program

Applicants applying for admission to Organizational Leadership and Learning must meet the following criteria, in addition to the admission standards listed above.

Prior extensive and documented work experience, or equivalent experiences as determined by the program faculty, or technical coursework in a training area or occupation is required.

For the BS in Organizational Leadership and Learning with a track in Career and Technical Education, the applicant must be a certified vocational teacher. A minimum of 2,000 hours of supervised work experience in the occupation to be taught is required.

Applicants to the BS in Organizational Leadership and Learning with a track in Healthcare Leadership must have a 2.7 cumulative GPA in college level courses. Applicants who have a cumulative GPA below 2.7 may petition the College of Education and Human Development Standards and Admissions Committee for consideration for admission on a probationary status.

Teacher Education programs

Students who plan to pursue an undergraduate teacher education program should meet with an academic advisor in the College of Education and Human Development to discuss the application process and admission to the program.

All candidates must submit a complete teacher education application to the College of Education and Human Development by the deadlines specified for each program. For more information: louisville.edu/education/degrees.

Admission to teacher education programs is competitive. The admissions committee will assess the qualifications of each applicant and his/her potential for success in the program.

Admission to the Kent School of Social Work



Kent School of Social Work
Oppenheimer Hall
University of Louisville
Louisville, KY 40292

Phone: (502) 852-6402
Email: bswkent@louisville.edu
Website: louisville.edu/kent

Admission Requirements

Persons interested in admission to the Kent School should contact the BSW Program. We encourage potential applicants to consult the BSW page on the Kent School website (<http://louisville.edu/kent/academics/bachelor-of-science-in-social-work>). If you wish to discuss the application process in person, you may contact the BSW Program to make an appointment.

Kent School seeks mature students with a demonstrated ability to work with people, emotional stability, good interpersonal skills, and the ability to perform well academically. To ensure that entering students meet these standards, the faculty has established the following guidelines.

Once students are accepted by University of Louisville's Admission Office and declare a major as Social Work, they are admitted to the University as lower division students. However, admission to lower division does not guarantee admission to the upper division Social Work Program.

Criteria for Admission to the Lower Division Social Work Program

Admission in Good Standing

To be admitted to the lower division, beginning freshmen must meet the following requirements:

- Graduate from an accredited high school with a grade point average of 2.5 or higher; have a GED, or equivalent by petition (for example, homeschool education); and
- Completion of the pre-college curriculum; and
- Achieve a composite ACT score of 20 or higher.

Transfer Students

Transfer applicants with 24 hours or more must have a college grade point average of 2.5 or higher to be admitted in good standing. Transfer students without these may apply for conditional admissions.

Change of Major (Intra-University Transfer) Students

Students who have completed at least one semester in another school or college of the University of Louisville and have a grade point average of at least 2.5 and have a cumulative grade point average of 2.8 or above for all college coursework may apply for an intra-university transfer to the lower division of the BSW Program. They must complete an online Change Major form that can be found on Ulink. Students admitted through this process must be advised before registering for courses in their first semester in the lower division curriculum.

After completion of 45 hours of college credit, they may be considered for admission to the Social Work Program. Admission to the upper division Social Work Program is conducted without discrimination on the basis of race, color, gender, age, creed, ethnic or national origin, disability, or sexual orientation. If the students have no para-professional work history, they are encouraged to pursue extensive volunteer experience prior to application.

Criteria for Admission to the Upper Division Social Work Program

Prior to application for admission to the Social Work Program, students must have:

- Earned 45 semester hours of college credit;
- A minimum cumulative GPA of 2.5 on a four-point scale.

Current UofL Students

Current university students must:

- Contact the BSW Program at bswkent@louisville.edu to declare Social Work as a major.
- Supply two letters of reference supporting the student's application and providing information about character, maturity, stability, achievements, interactional skills and special qualities. These letters may come from professors, high school teachers, counselors, supervisors, professional social workers, and other professionals, but not from relatives of the student.
- Submit a 700–1000-word personal statement with the application. The personal statement (double-spaced, 12-point font) should address the following topics: a) your commitment to the goals, purposes, ethics and values of social work; and b) the intellectual and personal qualifications that will enable you to practice social work successfully.

Note: If there are gaps or deficiencies in your academic record, please address these in an addendum to your statement.

- A signed and dated Secondary Application Form including: the Statement of authenticity, Release and Waiver for admissions and student records, Ethical Standard of Behaviors, program plan selection, and if applicable transfer degree information.
- Current resume that includes the following information: any places of employment and volunteer experiences that you have had in the last 2 years including place of employment or volunteer activity, dates of employment or volunteer experience, job title or position held, description of job responsibilities.

If you have been convicted of a felony, please include a description of the circumstances and outcomes of the conviction. Please note that prior convictions for criminal offenses may preclude one's ability to be licensed as a social worker in many states. In addition, many practicum sites require background checks and periodic drug screenings. Any negative findings that affect agency placement may also prevent successful completion of the requirements for the degree. Applicants and students should consider these barriers in their educational planning.

Applications to the upper division are accepted based on the following deadlines:

On-campus program: Priority Deadline, February 1

Online program: Priority Deadline, February 1; Final Deadline, May 1

Submit the above materials to:

BSW Admissions
Kent School of Social Work
Louisville, KY 40292
Email: bswkent@louisville.edu

Transfer Students

Transfer students must:

- Complete the application process for admissions to the University of Louisville. Applications for transfer student can be found at admissions.louisville.edu. This is a page of quick links for transfer students and also contains the link to the application. Make certain that you indicate Social Work as your major on this form.

If you have questions about this form, you may contact the University of Louisville Office of Admissions:

Office of Admissions

University of Louisville

Louisville, KY 40292

phone: (502) 852-6531 or (800) 334-8635 ext. 8526531

email: admitme@louisville.edu.

- Submit a non-refundable application processing fee. Attach a personal check, money order or cashier's check (U.S. dollars) payable to the University of Louisville to your completed application if you submit the hard copy application. If you apply on-line at the above website, you must also pay your application fee on-line with a credit card or check. Note: Paying your application fee with a check will delay the process for 8 days.
- Provide an official academic transcript from each college/university you have attended, including those at which you were enrolled for academic credit as a non-degree student and/or credits, which you transferred to another college. All transcripts must bear the official seal and signature of the institution attended. You must request these transcripts directly from the Registrar or appropriate officer of each institution. UofL transcripts are provided automatically for applicants who have attended UofL. Applicants must have earned 45 semester hours of college credit and have a minimum cumulative GPA of 2.5 on a four point scale.
- The Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English. A test link to the TOEFL is available at louisville.edu/student/services/testing/index.html.
- International students may be required to have their transcripts evaluated by a credential evaluation service in the U.S. Two possible services include World Education Services, Inc., at [wes.org](http://www.wes.org) and Educational Credential Evaluators at [ece.org](https://www.ece.org). Students may be required to participate in a brief telephone interview as part of the admission process. When completing the I-20, students should note that they will be placed in a practicum as part of their education. Admitted students should visit the International Center when they arrive on campus to obtain the proper immigration documentation necessary to begin the practicum.

Transfer students need to send all of the aforementioned documentation to:

Office of Admissions

University of Louisville

Louisville, KY 40292

Transfer students must also submit additional documents to complete their application process. The additional documents include:

- Two letters of reference supporting the student's application and providing information about character, maturity, stability, achievements, interactional skills and special qualities. These

letters may come from professors, high school teachers, counselors, supervisors, professional social workers, and other professionals, but not from relatives of the student.

- Current resume that includes the following information: any places of employment and volunteer experiences that you have had in the last 2 years including place of employment or volunteer activity, dates of employment or volunteer experience, job title or position held, description of job responsibilities.
- A 700-1000 word personal statement (double-spaced, 12-point font) that addresses the following topics: a) your commitment to the goals and purposes of social work; b) the intellectual and personal qualifications that will enable you to practice social work successfully.

Note: If there are gaps or deficiencies in your academic record, please address these in an addendum to your statement.

Each applicant is required to add the following statement to the beginning of their personal statement accompanied by the applicant's signature and date of the signature:

Academic dishonesty is prohibited at the University of Louisville. In keeping with this policy, I certify the material contained in this application is solely my work and that I have neither cheated nor plagiarized in its creation.

If you have been convicted of a felony, please include a description of the circumstances and outcomes of the conviction. Please note that prior convictions for criminal offenses may preclude one's ability to be licensed as a social worker in many states. In addition, many practicum sites require background checks and periodic drug screenings. Any negative findings that affect agency placement may also prevent successful completion of the requirements for the degree. Applicants and students should consider these barriers in their educational planning.

Submit the above materials to:

BSW Admissions

Kent School of Social Work

Louisville, KY 40292

Email: bswkent@louisville.edu

Admission to the School of Music



School of Music

University of Louisville

Louisville, KY 40292

Phone: (502) 852-6907

Email: gomusic@louisville.edu

Website: louisville.edu/music

Social: Facebook (<http://www.facebook.com/uoflmusic>)

Admission Requirements

Every prospective School of Music student must successfully audition and submit the following before a formal admission recommendation is made:

1. A completed application for admission to the University of Louisville, including the application fee
2. A completed School of Music Application for Financial Aid (optional)
3. Official high school/college transcript
4. Scores from the American College Testing (ACT) Program (required for all full-time applicants who have earned fewer than 24 acceptable semester credit hours in a college or university)
5. Test of English as a Foreign Language (TOEFL). If English is not your native language, you must verify your English proficiency by submitting official, satisfactory scores (550 or higher for paper-based test, 213 or higher for computer-based test, or 79-80 on the internet-based test), or a score of 6.5 on the IELTS exam, or by successful completion of the Intensive English as a Second Language (IESL) program at the University of Louisville, and
6. Names and contact information of two references, at least one of whom must be a music professional who has taught or directed the student (private teacher, high school teacher, ensemble director, etc.); the other may be another music professional or a high school teacher of a different subject.
7. Although each student must play or sing a performance audition for the School of Music, applicants to the BM program with emphasis in Composition must also submit a portfolio of work that includes the following: three or four samples of original compositions, along with recordings of the same works, if possible. Evidence of experience using various instrumental and/or vocal combinations is helpful.
8. In addition to the instrumental/voice audition, the successful music theory applicant will submit a portfolio containing three items: a) an essay of 500 words or more about a piece of music, which can be an analysis, a set of program notes, or a description of what you like about the piece; and b), one of the following: a composition (either stylistic or original; please send score and recording), a melody harmonization for four voices, a figured bass realization, or a 2-voice mixed species counterpoint example; and c), a short essay (100-200 words) detailing why you want to study music theory. Students who have questions about what to submit in the portfolio should feel free to ask questions before submitting.
9. Because the field of Music Therapy requires the therapist to sing to patients/clients, a demonstration of functional vocal ability must accompany the application of all non-voice principle majors. Applicants must submit a video recording of themselves singing two solo songs of contrasting styles. These songs do not need to be memorized, can be very simple, and may be accompanied by an instrument or sung *a cappella*. The video must be sent via YouTube for evaluation by the faculty. Please email the YouTube/video links to gomusic@louisville.edu by February 27.

Students admitted on probation/conditionally must be in good standing after one or two semesters (as indicated in the acceptance letter), or they will be dismissed and not allowed to continue pursuing a degree in music.

All recommendations are pending the student meeting minimum admission requirements of the School of Music (2.75 GPA and 21 ACT).

Note: Admission to Teacher Education requires 21 ACT. Students must apply to Teacher Education in the second semester of their sophomore year (February 1 application deadline). Failure to be admitted to Teacher Education will delay a student's ability to take advanced classes in music education and teacher education.

Prerequisite Training in Applied Music

Audition requirements can be found at: louisville.edu/music/apply/undergraduate/audition-dates-requirements

Instrumental requirements: louisville.edu/music/apply/undergraduate/audition-dates-requirements/instrumental-undergraduate-audition-requirements

Jazz requirements: louisville.edu/music/apply/undergraduate/audition-dates-requirements/jazz-studies-undergraduate-audition-requirements

Voice requirements: louisville.edu/music/apply/undergraduate/audition-dates-requirements/voice-undergraduate-audition-requirements

All Applied Music Fields

If the qualifying entrance examinations indicate that an entering student has not reached the minimum level of achievement in required music fields (or in certain theoretical courses), the student will be required to take appropriate courses without credit until the proper level is attained.

Instrumental (non-Jazz) Undergraduate Audition Requirements

Bassoon

All prospective bassoon students should be prepared to play 2-3 works of contrasting styles. You may be asked to play scales and to sight-read.

Cello

All prospective cello students should be prepared to play 2 or 3 contrasting pieces. Suggested repertoire consists of the following:

- a movement of a concerto;
- a movement of solo Bach;
- an etude; or
- a solo piece or sonata.

Clarinet

All prospective clarinet students should be prepared to play 2 works, or movements of works, of contrasting styles. Scales are not required, but you will be asked to sight-read.

Double Bass

All prospective bass students should be prepared to play 2-3 contrasting solo selections, standard orchestral excerpts, and major and minor scales. You may also be asked to sight-read.

Euphonium

All prospective euphonium students should be prepared to perform 2 or 3 selections in contrasting styles from solo literature or etudes. These selections should demonstrate both expressive and technical dimensions of the student's playing. Major scales and sight reading may also be asked.

Flute

All prospective flute students should be prepared to play 2 pieces of contrasting styles for the audition, for a total of 8-10 minutes of music. You should be prepared to sight-read and play a few scales.

French Horn

All prospective horn students are required to play 2 pieces of contrasting styles, scales, and to sight-read.

Guitar

All prospective guitar students must display the following:

- Completion of Aaron Shearer's *Classic Guitar Technique, Vol. 1* or a comparable classic guitar method;
- Preparation of at least 3 contrasting pieces preferably from different historical periods (i.e. Renaissance, Baroque, Classical/Romantic, 20th Century/Contemporary); one of the pieces should be etudes by such composers as Aguado, Brouwer, Carcassi, Guiliani, Sor, Tárrega, or Villa-Lobos;
- Knowledge of applicable technical studies: Guiliani's *120 Right Hand Studies*, Segovia's *Diatonic Major and Minor Scales*, Carlevaro's *School of Guitar*; and have sufficient sight-reading abilities.

Harp

All prospective harp students should be prepared to play 2 pieces of contrasting styles, for a total of 12-15 minutes of playing.

Oboe

All prospective oboe students should be prepared to play 2-3 works of contrasting styles, such as a Handel Sonata or pieces of comparable difficulty. Students may be asked to play scales and to sight-read.

Organ

To enter the four-year degree program in organ, the student should have completed sufficient piano study to be able to play Bach *Inventions*, Mozart sonatas, Beethoven sonatas, and compositions by Mendelssohn, Grieg, Schubert, and Schumann.

Percussion

Students should perform works in the following categories that accurately represent their current level of achievement. There may be possible sight-reading on all instruments (keyboards, timpani, snare drum).

Required:

- One 2-Mallet and/or 4-Mallet keyboard work (with or without piano accompaniment);
- Two snare drum works (rudimentary and orchestral);
- One Timpani work (2, 3, or 4 Drums); and
- Snare Drum Rudiments.

Optional:

- One multiple percussion work; or
- Drum Set: various styles (Jazz, Bossa Nova, Afro, Cuban, etc.).

Piano

To be admitted as an undergraduate piano student, students should:

- Be able to play all major and minor scales and arpeggios correctly at a moderately rapid tempo;
- Have the skills to sight read compositions of moderate difficulty; and
- Have already studied such compositions as Bach *Inventions*, classical sonatas, and works by such composers such as Mendelssohn, Chopin, Schumann, Debussy, Bartok, and Kabalevsky.

At the audition, students will be expected to play three pieces of contrasting styles including:

- Bach *Two or Three Part Invention* or suite movement;
- Movement of a classical sonata; and
- Romantic, Impressionistic, or Twentieth/Twenty-first Century work.

They will also be asked to present:

- Scales and arpeggios in any major or minor key; and
- Sight reading of an intermediate level work.

Students must bring to the audition a Repertoire List including works studied in the past five years.

Saxophone

All prospective students should be prepared to play 2-3 works, or movements of works, of contrasting styles. Students may be asked to play major and minor scales and to sight-read.

Trombone

Tenor Trombone: proficiency in major scales, 2 octaves; 1 Rochut Melodious Etude; Morceau Symphonique by Guilmant or Concertino by David.

Bass Trombone: proficiency in major scales, 2 octaves; 1 Rochut Melodious Etude, Vol. 1; pick 1 solo from Patrick McCarty Sonata, Lebedev Sonata, or Telemann Fantasies.

Trumpet

All prospective students are required to play 2 pieces of contrasting styles, scales, and to sight-read.

Tuba

All prospective students should perform 2-3 selections in contrasting styles from solo literature or études. These selections should demonstrate both expressive and technical dimensions of the student's playing. Major scales and sight-reading may also be asked.

Viola

All prospective students should be prepared to play:

- One 3-octave scale (the student may choose the key);
- One movement from the Bach *Unaccompanied Cello Suites*; and
- One movement from the standard viola literature that best demonstrates the student's ability.

Violin

To enter the degree program in violin performance, the student should be able to perform:

- A movement of any Bach Sonata or Partita;
- A movement of any Mozart Concerto; and
- A movement of any Romantic Violin Concerto.

To enter any other degree program, the student should be prepared to perform:

- Two movements of contrasting styles, one of which should be a movement of unaccompanied Bach.

Instrumental (Jazz Studies) Undergraduate Audition Requirements**Major Instrument Requirements**

All scale and chord possibilities can be found in any Aebersold volume, Aebersold Summer Jazz Workshop handout, or contact the school for material. A jazz experience at University of Louisville is geared toward achieving a greater proficiency in ensemble playing. Your primary performing opportunities will be in jazz ensemble and combo. Solo performance is a desirable goal and may also be studied.

All Instruments (except Drums, where noted)

Scales – All 12 keys in at least two octaves

- Major/Dominant/Minor (Dorian preferred)
- Blues scales (not for bass)

Chords/Arpeggios: Major/Dominant/Minor

Play the following: all selections can be found in Aebersold Volume 54 "Maiden Voyage"

- Blues in either Bb or F;
- A tune of your choice: melody and improvisation (good choices include *Autumn Leaves*, *Summertime*, *Maiden Voyage*, *Satin Doll*);
- A jazz transcription if possible by a master performer on your instrument; and
- Optional: a classical selection of your choice, length not important.

Sight-reading: Melody and improvise basic chord progression

Piano

- One hand voicings
- Right hand guide tones/Left hand root
- Three and/or four notes rootless voicings (guides and one or two color tones) in either right or left hand
- Sight-reading
- Basic chord progression: Right hand voicings/left hand root
- Melody and improvisation with or without voicings

Guitar

- Two voicings for all root position seventh chords (one voicing from sixth string and another off or fifth string)
- Sight-reading
- Melody and improvise basic chord progression
- Comp through progression

Bass

- Sight-reading
- Basic chord progression
- Demonstrate: 2 beat/walking/Latin

Drum Set

- Demonstrate the following styles in either 32 or 12 bar form: Swing/Bossa Nova/Rock (any style)/Afro-Cuban
- Be able to play time in either 32 or 12 bar form: 4/4, 3/4, 6/8
- Demonstrate the ability to play with brushes
- Trade: 8's over a 32 bar tune/ 4's over a 12 bar blues

Voice Undergraduate Audition Requirements

Be prepared to sing at least 2 songs in the classical style, from memory, in contrasting styles and moods. Usually this means one is in a moderate or slow tempo, which shows your ability to sustain good vocal tone, and one is in a livelier mood, which demonstrates articulation and vocal flexibility. The songs you choose should be memorized from printed music and must be accompanied by piano. Songs may have either English or foreign texts. You should get advice on appropriate selections and, if possible, vocal training from a competent and knowledgeable voice teacher in preparation for the audition.

In addition to singing 2 songs, you will be asked to sing at sight a short musical example. There may also be a tonal memory evaluation in which you will sing back a few brief sequences of intervals that have been played on the piano. These are diagnostic exercises that help in assessing your level of musical security and independence. Note: vocal auditions may be video recorded.

Community College Transfer Limits Policy

For bachelors' degrees, students must present at least sixty (60) semester credit hours earned at four-year institutions. Students must also meet residency requirements.

Special Students

Students sixteen years of age or over who have not satisfied the requirements for admission as candidates for degrees may, by special consent of the Dean, be admitted upon payment of the regular fees. Such special students cannot become candidates for degrees until they have satisfied admission requirements for the degree desired.

Re-enrolling Students

If a student has a break in enrollment of two or more calendar years, that student must apply for readmission to the School of Music, and if admitted, will be subject to catalog requirements in effect at the time of readmission. Students who have not taken applied music for one or more calendar years must re-audition in their major applied area. Bachelor of Arts students who have completed their applied music requirements are exempt, unless they plan to continue applied music study.

Students who were not enrolled during the immediate past semester, but were enrolled within the last two calendar years, and who wish to continue in the school and program in which they were last registered, are eligible to re-enroll. They need to complete a re-enrollment form at the School of Music or the Registrar's Office.

Students completing the re-enrollment process are eligible for early registration for the term in which they wish to return. Students whose last enrollment status was visitor, high school visitor, conditional, or who were dismissed, must reapply. Students last enrolled in University College or Transitional Studies must also reapply through the Office of Admissions since those units are no longer in existence.

Transfer Grade Acceptance

The University of Louisville recognizes appropriate course work done at other accredited universities and colleges and accepts that work according to the principles set forth in the American Association of Collegiate Registrars and Admissions Officers Transfer Credit Practices and state law.

Transfer work that is college-level, academic in nature, and earned at appropriately accredited institutions will be accepted and posted as credit earned (i.e., with no grade) and will be accepted as credit toward

degree, consistent with policies in effect for resident students. Students must be aware that majors and/or programs may require a minimum of a C or better for certain degree requirements. Individual units or programs may set higher standards in accepting transfer grades, which supersede those indicated here.

The School of Music does not accept transfer grades below a C. No credit is transferred for applied music or theory. Advanced standing for applied music may be awarded at a jury. Advanced standing for theory is awarded by examination. Music history credits are evaluated for transfer by the Music History faculty. Recital Attendance credits may be transferred. Principal ensemble credits may be transferred, but not to exceed one per semester. Those with Recital Attendance transfer credits or documented ensemble experiences or courses will be evaluated on an individual basis by the Dean's Office.

Transfer Equivalency Determination

Transfer equivalencies are determined by the instructional unit or the "best fit" unit as determined by the Office of the University Provost. Courses that meet general education requirements may be transferred under course equivalencies established in the Office of Transfer Services. In cases where no equivalency is established, the Office of Transfer Services will direct students to the university academic department, school, or college where similar courses are offered for evaluation of transfer credits.

Admission to the School of Nursing



School of Nursing

Health Sciences Campus, K-Wing
555 South Floyd Street
Suite 3019
University of Louisville
Louisville, Kentucky 40202

Phone: (502) 852-8300

Website: louisville.edu/nursing

Admission Requirements

The School of Nursing offers the Bachelor of Science in Nursing (BSN). There are two degree curricula available to pursue the BSN: a Traditional BSN and an RN to BSN. Students apply for a degree program based upon their previous academic background. To be eligible to apply to the RN-BSN program, students must be a licensed registered nurse.

Admission to the School of Nursing is a two-level process for the traditional degree program; lower division and upper division. Students must be admitted to the lower division of the degree program to be eligible to apply to the upper division of the degree program. Admission

to the lower division does not guarantee admission to the upper division. Admission to the upper division of the degree program is competitive.

Admission to the Lower Division

Students may be admitted directly to the School of Nursing's lower division (pre-professional) if the minimum admission standards and university deadlines are met. Admission applications must be submitted to the Office of Undergraduate Admissions. Applications are available on line through the university's website. Admission to the lower division (pre-professional) does not guarantee admission to the upper division (professional curriculum).

Freshmen and transfers with fewer than 24 hours of college credit

To apply to the lower division, applicants must:

- Submit an official high school transcript
- Submit all official transcripts from all outside college course work, if applicable
- Submit an ACT or SAT score.

All documents are submitted to the Office of Admissions. Mail to or request mailing to:

The Office of Admissions

Dept. AO
University of Louisville
Louisville, KY 40292.

Admission in Good Standing

To be admitted to the lower division in good standing, beginning freshmen and transfer applicants with less than 24 hours of college credit must meet the following requirements:

- graduation from an accredited high school with a grade point average of a 3.0 (on a 4.0 scale) or higher, or have an appropriate GED score, or equivalent by petition (for example, home school education).
- composite ACT scores at or above 22
- Math ACT sub-score of 22
- minimum college grade point average of 2.8, if applicable

Transfer Students with More Than 24 Hours of College Credit

Students must meet the admissions requirements for transfer students with more than 24 hours. To apply to the lower division, applicants must:

- Submit all official transcripts from all outside college coursework to the Office of Admissions. Mail to or request mailing to:

The Office of Admissions

Dept. AO
University of Louisville
Louisville, KY 40292.

- Have a minimum cumulative college grade point average of 2.8 (on a 4 point scale) in all undergraduate college work.
- There is no conditional admission for transfer students.

University of Louisville Students Changing Majors

Students who have completed at least one semester in another school of the University of Louisville and have a minimum college grade point average of 2.8 may apply to the School of Nursing. They must complete

an online change of major form that can be found on the university website. Students admitted through this process must be advised before registering for courses in their first semester in the nursing program.

Admission to the Upper Division Traditional BSN Degree

Admission to the upper division is competitive.

Students that are admitted into the upper division professional nursing curriculum will be required to meet all clinical compliance requirements prior to entering any clinical facilities.

To be considered for admission, applicants must:

- Have completed the lower division (pre-professional) curriculum or be in the last semester of completion (see Degree Programs- Nursing).
- Have earned a minimum cumulative undergraduate grade point average of 2.8. The cumulative grade point average for admission to upper division nursing is calculated based on all course work completed at accredited postsecondary institutions. Transfer credit and transfer GPA is determined by the Office of Transfer Articulation in the Office of Undergraduate Admissions.
- Have earned a minimum lower division (pre-professional) program grade point average of 3.0. The lower division program grade point average is based on required lower division curriculum course work as determined by the nursing faculty.
- Earn a C or higher in required science, nutrition, nursing and English courses. Science courses must have been completed within the last 10 years. Students must submit an application for acceptance of sciences taken prior to the last 10 years to the School of Nursing Office of Student Services. Appropriate faculty and/or administrators will review the request. Consideration will only be given to those with experience in the science in which exception is being requested. Transfer credit for science courses taken prior to the last 10 years will be evaluated on an individual basis. There can be no outstanding incompletes prior to beginning nursing courses.

Students admitted as a first-time University of Louisville freshman will have 0.2 points added to their program grade point average for ranking during review of upper division applications.

Applying to the Upper Division

To apply to the upper division, a student must:

- Submit a University of Louisville Undergraduate Application if new to UofL or submit an online change of major form if already enrolled in a school other than the School of Nursing at UofL.
- Complete the Legal Questionnaire available on the School of Nursing website
- Submit a written essay, narrative, or short story describing your personal qualities and how they fit you for a career in nursing, your perception of the nursing field and what influenced you to select nursing as a career
- Submit a certified criminal background check. Details on the School of Nursing website.
- Complete the interview process (if requested).
- Applications and credentials must be received by the following deadlines:
 - May 1 for Fall admission - traditional program
 - September 15 for Spring admission - traditional program

NOTE: An unsatisfactory background check may prevent a student from being admitted into the program and/or licensed as a registered nurse. Questions regarding licensing should be addressed with the Kentucky Board of Nursing.

The appropriate undergraduate committees must evaluate applicants for acceptance to an upper division clinical cohort. The committee decision will be communicated to the applicant in writing. Admissions are contingent on successful completion of the lower division (pre-professional) curriculum. Accepted students will receive a letter of agreement stating the anticipated start date, the conditions for accepting the space, and consequences of failing to keep the space. The letter of agreement must be signed and returned within 10 working days of receipt to assure a space in the upper division clinical cohort. All qualified students who meet admission criteria but are not accepted into the requested upper division clinical cohort due to space constraints should meet with their advisor.

Guaranteed Early Admission

The Guaranteed Early Admission (GEA) program is available to first year University of Louisville freshmen. Twenty spaces are reserved in upper division each academic year for first year, full time college freshmen, who enter the University of Louisville in the Fall semester. First year college freshmen apply upon completion of their first year of college for a guaranteed admission to a specific upper division cohort. These spaces are awarded based upon the student's competitive application. Transfer students are not eligible.

To be considered as a first year freshman for guaranteed admission to the upper division, an applicant must:

- Successfully complete NURS 101 (or equivalent) with a passing grade.
- Successfully complete the first year of full time coursework with a minimum 3.0 GPA.
- Completion of two required science courses (CHEM 105 and BIOL 102 or their equivalent) with minimum grades of B.

Application requirements:

- An essay of 500 words or less describing your interest in a career in nursing.
- School of Nursing Application for GEA available on SON website or from professional advisor.
- Deadline is May 1 each year.

To maintain GEA status:

- Accept a start date to begin upper division courses for a specific semester.
- Maintain a cumulative college GPA of 3.0 or higher each semester of enrollment in the lower division.

Admission to RN-BSN Program

Students may be admitted directly into the RN-BSN program if the admissions requirements are met.

To apply to the program, applicants must:

- Submit a University of Louisville undergraduate admissions application if you are a new student to UofL or submit a major change form if already enrolled in a school other than the School of Nursing at UofL.

- Submit all official college transcripts to the Office of Admissions. Mail to or request mailing to:

The Office of Admissions
Department AO
University of Louisville
Louisville, KY 40292.

- Have a cumulative grade point average of at least 2.5 on all college work.
- Have a Registered Nurse license (without restrictions).
- Earn a C or higher in required science, nursing and English courses. There can be no outstanding incompletes in courses prior to beginning nursing courses.
- May be required to submit a certified criminal background check. Details on the School of Nursing website.
- Undergraduate admissions deadlines may be obtained from the University of Louisville website (<http://louisville.edu/admissions>).
- Applicants are required to be advised by the School of Nursing academic advisor prior to registering for courses.

Additional Transfer Student Information

Awarding of transfer credit

A student may earn college credit through a variety of mechanisms. Therefore, students seeking advanced standing through transfer of credit should seek advice from the Office of Student Services, School of Nursing, as soon as possible. Individual evaluations include:

1. Courses from accredited colleges and universities.
2. Course descriptions and outlines.
3. CLEP examinations.
4. Advanced Placement examinations.
5. Portfolio documentation, RN-BSN program only. Students in the RN-BSN program will receive 30 college credits from the university after successful completion of the portfolio course.
6. General Education Block Certifications by accredited Kentucky institutions are recognized.
7. The School of Nursing has a ten-year limit on science courses. Transfer credit for science courses taken prior to the last 10 years will be evaluated on an individual basis.
8. Other transfer courses are evaluated on an individual basis for currency and equivalency to required courses in the nursing curriculum. Science, English, and nursing courses taken at another college or university must have been passed with a grade of C or better in order to be transferred into the nursing curriculum. Generally, only courses equivalent to pharmacology and pathophysiology can be transferred into the School of Nursing degree program.

Transfer Policy for Students Transferring from Other Schools of Nursing

Applicants transferring from other schools of nursing will submit complete course syllabi and appropriate supporting documents to the School of Nursing Office of Student Services. These documents must be submitted at least six weeks prior to the application deadline. Syllabi and supporting documents will be reviewed by selected faculty and Office of Student Services staff for the purpose of evaluating course equivalency to University of Louisville courses. Course equivalency must be confirmed prior to admissions. When courses are approved, they become the course of record for that academic year. Nursing courses that have been

approved for equivalency will remain equivalent for varying periods of time depending on the course. Nursing courses must be satisfactorily completed at an NLN or CCNE accredited nursing program in order to be considered as equivalent and transfer into the upper division curriculum.

A student who has previously failed two nursing courses at any school of nursing will not be eligible for admission to the Traditional BSN program.

If a student has a previous nursing course failure, it will be considered the first failure by the University of Louisville Traditional BSN program. One additional failure of a nursing course at the University of Louisville will result in dismissal from the program.

International Student Applicants

Please refer to the university guidelines printed in this catalog regarding International Student Applicants.

Admission to the School of Public Health and Information Sciences



School of Public Health and Information Sciences

Public Health Undergraduate Affairs
Strickler Hall, Room 126A
Louisville, KY 40292

Phone: (502) 852-5559
Email: publichealth@louisville.edu
Web: louisville.edu/sphis
Social: Facebook (<http://www.facebook.com/SPHIS>), Twitter (<http://twitter.com/ulsphis>), LinkedIn (http://www.linkedin.com/groups?gid=4451132&trk=hb_side_g)

Admissions Requirements

Students are admitted to the School of Public Health and Information Sciences on either a degree seeking or non-degree seeking basis. High school visitors, visiting students from other institutions, auditors, post baccalaureate students, and continuing studies students are considered non-degree seeking. All other students are considered degree seeking. Applicants will be notified by the University's Office of Admissions of their status and of the conditions of their enrollment at the time they are accepted. Students planning to earn degrees from the School of Public Health and Information Sciences must be degree-seeking in order for the credits they have earned to apply toward their degrees. Students remain in a degree-seeking status until they graduate, transfer to another college or university, or are suspended/dismissed.

Freshman Students

Admission is granted to students meeting the following requirements:

Good Standing

1. One of the following:
 - a. Graduation from accredited high school
 - b. Successful completion of General Education Development (GED) tests
2. High school GPA of 2.5 or higher
3. ACT/SAT score of 19/940 or higher

Conditional Admission

Students who meet University minimum academic standards may be conditionally admitted (see Undergraduate Catalog, Admission to the University of Louisville (p. 16)).

Transfer Students with Fewer Than 24 Credit Hours

Good Standing

College GPA of 2.0 or higher

One of:

- Graduation from accredited high school
- Successful completion of General Education Development (GED) tests

High school GPA of 2.5 or higher

- ACT/SAT score of 19/940 or higher

Conditional Admission

University minimum academic standards.

Transfer Students with 24 Credit Hours or More

Good Standing

College GPA of 2.0 or higher

Conditional Admission

Petition approved by Public Health Appeals Committee.

Post-Baccalaureate Students

Good standing

Degree posted

Admission to the J.B. Speed School of Engineering



J.B. Speed School of Engineering

J.B. Speed Building, Suite 221
University of Louisville
Louisville, Kentucky 40292

Phone: (502) 852-6281

Email: speed@louisville.edu

Web: engineering.louisville.edu

Social: Facebook (<http://www.facebook.com/pages/JB-Speed-School-of-Engineering/196728607016722>), Flickr (http://www.flickr.com/photos/UofL_SpeedSchool/), Twitter (<https://twitter.com/UofLSpeedEng>), YouTube (<https://www.youtube.com/user/univoflouisville>)

Admission Requirements

Students apply for admission to the J.B. Speed School of Engineering by completing a University of Louisville undergraduate application. The application and detailed directions are located online (<http://louisville.edu/admissions/apply>).

Students are admitted to the School of Engineering on either a degree seeking or non-degree seeking basis. High school visitors, visiting students from other institutions, auditors, post baccalaureate students, and continuing studies students are considered non-degree seeking. All other students are considered degree seeking. Applicants will be notified by the University's Office of Admissions of their status and of the conditions of their enrollment at the time they are accepted. Students planning to earn degrees from the School of Engineering must be degree-seeking in order for the credits they have earned to apply toward their degrees. Students remain in a degree-seeking status until they graduate, transfer to another college or university, or are suspended/dismissed.

Freshmen Students

Admission requirements vary between the different schools in the university. A student is eligible for admission to the academic programs of the School of Engineering upon the basis of courses taken in high school, grade-point average, and test scores achieved on either the ACT or SAT. To be considered for unconditional admission to the J.B. Speed School of Engineering, entering freshman students should meet the following requirements.

- **High School Curriculum Requirements:** All schools require graduation from an accredited high school and completion of the Kentucky Pre-College Curriculum requirements. In addition, Speed School requires successful completion of the following courses in high school:

- Calculus or pre-calculus
 - Chemistry
 - Physics
- ACT composite, science and math scores of 25 OR SAT combined CR +M score of 1130 and math score of 590. A 3.0 GPA on a 4.0 scale OR
 - ACT composite, science and math scores of 24 OR SAT combined CR +M score of 1090 and math score of 560. A 3.5 GPA on a 4.0 scale

Transfer Students

Students with fewer than 24 transferable semester hours are considered in a similar fashion as freshmen students and must meet the admissions requirements for new freshmen and have a minimum college grade point average of 2.8. Students with 24 hours or more transferable semester hours must have a 2.8 college grade point average and at least B-minus grades in each of the following courses: Calculus I (MATH 205 or equivalent) and General Chemistry I (CHEM 201 or equivalent). It is recommended students successfully complete Physics I (PHYS 298 or equivalent) before transferring to Speed School.

Transfer students must be admitted to the J.B. Speed School of Engineering by October 1 to enroll in the following Spring semester or May 15 to enroll in the following Fall semester.

In addition to the minimum grade requirements for Calculus I and General Chemistry I, the Speed School of Engineering requires a minimum C-minus grade for any transferred course to be accepted as credit toward a degree. A transfer student must earn at least sixty semester hours applicable toward the baccalaureate degree at a fully accredited four-year college or university. Thirty of the last thirty-six semester hours must be earned at the University of Louisville and at least 25 percent of the degree program hours must be earned at University of Louisville.

Admission Status

Successful applicants who satisfy all Speed School requirements will be granted unconditional admission with a Good Standing status. If there is a deficiency in academic qualifications, successful applicants will be admitted to the College of Arts and Sciences in a pre-engineering curriculum.

Good Standing

Freshmen students (and transfer students with less than 24 hours) who satisfy all requirements will be granted unconditional admission into the Department of Engineering Fundamentals with a Good Standing status. After one year in engineering fundamentals qualified students will be accepted into their major department. Transfer students who have completed all courses required by engineering fundamentals can be considered for direct admission into their major department.

Arts & Sciences Pre-engineering

Applicants who do not meet high school curriculum requirements for Speed School or are below grade point average or test score requirements, but still satisfy university admission requirements, will be admitted to Arts and Sciences in a pre-engineering curriculum. The pre-engineering curriculum prepares students for the mathematics and sciences courses in the Speed School curriculum. Students who complete the pre-engineering curriculum with at least B-minus grades in MATH 205 and CHEM 201 and have a cumulative grade point average above 2.8 will be considered for an intra-university transfer to Speed School.

Pre-engineering students must be admitted to the J.B. Speed School of Engineering by October 1 to enroll in the following Spring semester. A priority deadline of September 1 will afford students the best opportunity to register for available Spring courses.

Pre-engineering students must be admitted to the J.B. Speed School of Engineering by May 15 to enroll in the following Fall semester. A priority admission deadline of March 1 will afford students the best opportunity to register for available Fall courses.

Readmission

If a student has a break in enrollment of two or more calendar years, the student must apply for readmission by completing a University of Louisville undergraduate application. If admitted, the student will be subject to catalog requirements in effect at the time of readmission.

Non-degree Students

High school visitors, visiting students from other institutions, auditors, post baccalaureate students, and continuing studies students wishing to take courses offered by the School of Engineering must complete a University of Louisville undergraduate application. Upon admission, students should contact the engineering advising office for further instructions. Students must show documentation of meeting prerequisites and have permission of the relevant department chair, which will be facilitated by the advising office. The credits earned by non-degree students typically will not apply towards program requirements if a student later becomes a degree seeking student.

Admission Requirements to Departmental Studies

Acceptance into departmental studies is based upon requirements in effect when the student is admitted to engineering fundamentals. Current requirements are that a student must have a 2.25 grade point average (GPA) in the prescribed set of core courses. In addition, the student must be in good standing with the University, which requires an overall cumulative GPA of 2.25.

CAMPUS MAPS



Campus Maps

Go to Campus Maps (<http://louisville.edu/about/campuses.html>) to view a current maps of all three (3) of the University of Louisville's campuses.

Go to University Parking and Transportation Services (<http://louisville.edu/parking/campus-maps>) for information on UofL employee and student parking, as well as visitor parking.

Take a virtual tour (<http://www.youvisit.com/tour/louisville>) of the main, Belknap campus.

Smoke-Free Campuses

All UofL campuses become smoke- and tobacco-free in 2010. Tobacco products include the use of cigarettes, e-cigarettes, cigars, pipes, smokeless tobacco, vaporizers, hookahs, and similar type products.

All campus community and visitors are expected to adhere to the policy (<https://sharepoint.louisville.edu/sites/policies/library/SitePages/Human%20Resources/Tobacco%20and%20Vaporizing%20Products.aspx>).

Thank you for helping to make our campus experience healthy and enjoyable for all.

ACADEMIC SUPPORT

University Libraries

The extensive library system at the University of Louisville is designed to support undergraduate and graduate research; broad, university scholarship; and student and faculty success.

To these ends, the University Libraries provide services ranging from materials check-outs, research assistance, inter-library loans and course reserves to loans of laptops, camcorders and flash drives. The libraries also provide study spaces, meeting rooms and presentation spaces. They house UofL resources like the Writing Center, the Delphi Center, and the Teaching Innovation Learning Laboratory (TILL). Ultimately, University Libraries serve as academic common spaces for all students, faculty, and staff.

The University Libraries consist of:

- Ekstrom (Main) Library,
- Archives and Special Collections,
- The Margaret Bridwell Art Library,
- The Louis Brandeis Law Library,
- The Dwight Anderson Memorial Music Library, and
- The Kornhauser Health Sciences Library.

The Libraries' collections are extensive. Total holdings exceed 2.2 million printed volumes; subscriptions to both print and electronic journals surpass 90,000. E-books, microfilm, and other formats such as DVDs are also included in the collection. Most of these materials can be found using the library's website (<https://louisville.edu/library>).

In addition, the Libraries subscribe to over 300 online information databases in a wide variety of subject areas.

Inter-library loan services provide study and research materials not owned by the University of Louisville Libraries from collections of other libraries.

More information about library materials, facilities and services can be found at the University Libraries website (<https://library.louisville.edu/home>).

Information Technology Services

The Office of Information Technology (IT) offers numerous technology and computing solutions in support of University of Louisville's teaching, research and service missions. Serving students, faculty and staff, IT maintains campus wired and wireless networks and delivers enterprise administrative and academic applications. More information concerning IT services can be found at louisville.edu/it.

UofL's email and ULink services are the university's most popular websites. ULink is our secure portal to all necessary campus information and services, including the administrative environments where you can check your class schedule, tuition balance and much more. Students can log into their email as part of Windows Office 365 (Word, PowerPoint, Excel, etc.) options provided to enrolled students at louisville.edu/email.

IT offers secure, unlimited data storage free for faculty, staff and students via CardBox. A CardBox account lets you synchronize and backup all of your personal files plus collaborate, securely share and edit easily

with other UofL users. See louisville.edu/it/cardbox for information on how to sign-up for an account.

For discounted and free software, sign-in to louisville.onthehub.com (<http://louisville.onthehub.com>) with your UofL userID and password. For purchasing competitively priced computers and other tech items, IT recommends the online University Bookstore.

IT's HelpDesk assists the University of Louisville community daily with regard to technology questions and issues. Need help changing your password, for example? The IT HelpDesk can be reached at louisville.edu/it/helpdesk for online assistance (chat, incident tickets, self-help) or call (502) 852-7997 to talk to someone. Additionally, IT provides free, 1:1 walk-in technology help for students, faculty and staff. Their iTech Connect team, located in the lower level of the Miller IT Center on Belknap campus, can troubleshoot various technology problems like wireless connections, antivirus protection and digital device management.

IT maintains the university's extensive networking, including a 40 gigabit campus backbone network and a high-speed intercampus fiber network. Wireless service is universally available for University of Louisville students, faculty and guests across all campuses. It is highly recommended to set up and always use the ULsecure wifi option to protect your devices. Also on each campus, multiple computing centers provide access to academic software and the Internet. Additional public desktop computer workstations are also located throughout each campus in high-traffic locations.

REACH (Resources for Academic Achievement)

Resources for Academic Achievement (REACH) is the university's centralized academic support unit for undergraduate students. REACH conducts multiple services and programs from the Belknap Academic Building (BAB), Ekstrom Library, J.B. Speed School of Engineering, and the Miller Information Technology Building (MITC).

These academic support services and retention programs offer students the opportunity to better prepare and adapt to college life and to improve their academic skills and performance in college courses. REACH's mission statement, values statement, goals, and annual reports are available on the REACH website (<http://www.reach.louisville.edu/about>).

The Learning Resource Center (Belknap Academic Building 248 and 250)

Scheduled Tutoring offers students small group tutoring sessions each week for many 100-, 200-, and some 300-level courses. These sessions provide guided study and review of course material. Tutoring requests can be submitted online and appointments are scheduled for 60-minute recurring, weekly sessions. Online tutoring sessions are also available, and scheduled drop-in hours are available for select science lab courses, select languages, and other courses. Find more information on scheduling on the REACH website (<https://reach.louisville.edu/tutoring/tutor-scheduled.html>)

Peer Assisted Learning (PAL) is a series of weekly review and discussion sessions attached to specific courses that are historically difficult for students. PAL integrates *how to learn with what to learn*. PAL sessions allow students to get extra help beyond the normal classroom. PAL is voluntary and free, with sessions designed to assist small and large groups of students. Find more information about Peer Assisted Learning

(<http://reach.louisville.edu/tutoring/tutor-PAL.html>) on the REACH website

Individual Tutoring is available for students who have documented physical or learning disabilities and need accommodated tutoring sessions. Documentation must be provided to REACH from the Disability Resource Center at the time of a student's request. Students receive individualized tutoring and additional tutoring time in scheduled onsite appointments each week.

Find more information on tutoring on the REACH website (<http://reach.louisville.edu/tutoring>)

Graduate Exam Preparation Workshops are available for students preparing the GRE, GMAT, MCAT, LSAT, and DAT. Availability varies by semester. Workshops (<https://reach.louisville.edu/workshops/gradschools.html>) include a review of exam content, test-taking strategies, and practice problems. They are free for current students and are offered at select times throughout fall and spring semesters. Registration is required (<https://reach.louisville.edu/workshops/gradschools.html>).

Language Conversation Tables offer students conversation opportunities for practice in speaking a new language. Tables vary each semester, but may include Spanish, French, Arabic, ASL, German, and others. These sessions are useful, additional practice to prepare for the classroom and real-world scenarios. Available tables and meeting schedules are available on the REACH website (<https://reach.louisville.edu/tutoring/tutor-conversations.html>).

Special Topics in Supplemented College Reading (GEN 105) (Belknap Academic Building 248) is an intervention course for college readiness required by Kentucky state law for first-time, first-year and transfer students with less than 24 credit hours who are admitted to the university with identified college reading deficiencies. Students are required to register for a section of GEN 105 (<https://catalog.louisville.edu/search/?P=GEN%20105>) (2 credit hours) in their first college semester. All GEN 105 (<https://catalog.louisville.edu/search/?P=GEN%20105>) course sections require concurrent registration with a linked general education course in Biology, Psychology, or History.

Find more information on GEN 105 on the REACH website (<http://reach.louisville.edu/courses/gen105.html>).

The Hackademic Series, available to all UofL students, are 50-minute workshops on key topics that impact students' academic success. Topics always include college strategies, e.g., time management, note-taking, textbook reading, test-taking, preparing for finals, and becoming a disciplined student. The Hackademic Series is offered both online and onsite (<http://reach.louisville.edu/seminars/seminars.html>).

The Math Resource Center (BAB 241)

The Math Resource Center (MRC) offers drop-in tutoring to students enrolled in most 100- and 200-level mathematics courses, including Special Topics in College Mathematics courses (GEN 103 (<https://catalog.louisville.edu/search/?P=GEN%20103>) and GEN 104 (<https://catalog.louisville.edu/search/?P=GEN%20104>)). Resources include knowledgeable tutors, a mini-computer lab for Web-based instruction/math software, course textbooks, and solution manuals. The MRC also offers online tutoring appointments for select mathematics courses.

Find more information on mathematics tutoring on the REACH website (<https://reach.louisville.edu/tutoring/tutor-drop-in.html>).

Special Topics in College Mathematics (GEN 103 (<https://catalog.louisville.edu/search/?P=GEN%20103>)/GEN 104 (<https://catalog.louisville.edu/search/?P=GEN%20104>)) are intervention courses in algebra that are required by KY state law for students who are admitted to the University with identified college mathematics deficiencies. Placement in GEN 103 (<https://catalog.louisville.edu/search/?P=GEN%20103>)(for non-STEM majors) or GEN 104 (<https://catalog.louisville.edu/search/?P=GEN%20104>)(for STEM majors) is based on successful completion of basic mathematics courses (e.g., MAT 55 (<https://catalog.louisville.edu/search/?P=MAT%2055>) and/or MAT 65 (<https://catalog.louisville.edu/search/?P=MAT%2065>)in KCTCS), ACT or SAT Math subscore, or a placement test score that does not meet the QR (Quantitative Reasoning) requirement for the student's intended major. GEN 103 (<https://catalog.louisville.edu/search/?P=GEN%20103>)and GEN 104 (<https://catalog.louisville.edu/search/?P=GEN%20104>)are computer-based courses (three elective credit hours each) that focus on algebra topics—such as linear equations and factoring—and utilize an online homework, tutorial, and assessment program. Successful completion of GEN 103 (<https://catalog.louisville.edu/search/?P=GEN%20103>)and/or GEN 104 (<https://catalog.louisville.edu/search/?P=GEN%20104>) (or an appropriate placement score) is required for entry to QR courses. More information on intervention coursework is available on the REACH website. (<http://www.reach.louisville.edu/courses>)

The Speed Calculus Preview Program is a fee-based summer program designed for first-year engineering students. Students are referred to this program based on their performance on the online Algebra Readiness Exam, which is available to all admitted engineering students prior to their first fall semester. This program provides an advanced algebra review to help students prepare for calculus in the J.B. Speed School of Engineering.

Computer Resource Centers

The Computer Resource Center (CRC) tutors provide tutoring and test review sessions for College of Business students enrolled in C# programming courses and courses that focus on using Microsoft Excel and Access. The CRC also supports Speed School of Engineering students taking courses in Electrical and Computer Engineering, Computer Engineering and Computer Science programming, and Mechanical Engineering.

CRC tutors also assist students with the most common technologies used on campus, including Microsoft Office Suite products, Blackboard, ULink, email, wireless network access, and basic computer operations.

The CRC centers are located in Ekstrom Library, the MITC building, and in the J.B. Speed Engineering building and operate on a drop-in basis. No appointments needed!

Find more information at: reach.louisville.edu/tutoring/computer/.

STUDENT RESOURCES



Americans with Disabilities Act

The University of Louisville (UofL) is committed to providing equal opportunity for persons with disabilities. This commitment includes complying with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973. UofL strives to maintain a barrier-free, welcoming environment for all qualified persons with disabilities.

The university's ADA Coordinator oversees the University's compliance with the ADA and Section 504, and assists unit heads in meeting their equal opportunity obligations. The ADA coordinator is located in the Dean of Students suite in the SAC:

ADA Coordinator
SAC-W301
(502) 852-5787
titleix@louisville.edu

The Disability Resource Center staff (502-852-6938) will assist the University community by serving as an information resource center and coordinating support services for students with disabilities. No otherwise qualified individual with a disability shall, solely by reason of such disability, be excluded from participation in, be denied benefits of, or be subjected to discrimination in university programs. The President, Board of Trustees, Student Government, Faculty and Staff Senates affirm UofL's long standing and continuing commitment to Equal Opportunity for persons with disabilities.

Formal Student ADA Complaint Procedure

The university has a continuing responsibility to monitor and maintain its compliance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973 (Section 504) and their implementing regulations. Internal student complaints alleging non-compliance with the ADA and/or Section 504 should follow the university's complaint procedure (<https://louisville.edu/disability/students/formal-complaint-procedure>).

The university's formal complaint procedure provides for prompt and equitable resolution of complaints.

Complaints should be directed to the UofL ADA Coordinator at (502) 852-8757 or titleix@louisville.edu.

Filing a Formal Complaint of Disability Discrimination

A complaint must be filed in writing with the Coordinator. The complaint should contain the name and address of the person filing it and a brief

description of the alleged violation. Upon receipt of the written complaint, the Coordinator or his designee shall acknowledge receipt within five workdays.

A complaint should be filed within 180 days after the complainant becomes aware of the alleged violation; however, a complaint filed after that point may be investigated in accordance with this procedure as necessary, in the judgment of the ADA Coordinator, to ensure the university's compliance with the ADA and/or Section 504.

An investigation, as may be appropriate, shall follow a filing of complaint. The Coordinator's office shall conduct the investigation. This University complaint procedure involves an informal but thorough investigation, affording all interested persons and their representatives, if any, an opportunity to submit information relevant to a complaint.

Following completion of the investigation, a written determination as to the validity of the complaint and a description of the resolution, if any, shall be issued by the Coordinator's office and a copy forwarded to the complainant and any individually-named respondent within 60 days of the date the complaint was filed. Should extenuating circumstances (e.g., unavailability of key witnesses, family emergency of investigative staff, etc.) prevent completion of the investigation and determination process within 60 days, the complainant and any individually-named respondents will be timely notified in writing, and will be kept apprised of the status of the Coordinator's handling of the complaint through resolution. In all disputes arising under Section 504 or the ADA the proper standard of proof is preponderance of the information (i.e., more likely than not that the violation alleged in the complaint is true).

The Coordinator's Office shall maintain the files and records relating to the complaints filed.

Requesting Reconsideration of a Determination

The complainant (and any individually named respondent, as appropriate) may request a reconsideration if dissatisfied with the Coordinator's determination. The request for reconsideration should be made in written or electronic form within 15 workdays to the Coordinator's Office.

Requests for reconsideration must present information showing that:

- The original determination applied the incorrect standard or applied the applicable standard incorrectly to the facts of the case; or
- New information that might affect the outcome of the determination but was not available to the Coordinator at the time of the original determination is now available and should be considered.

The Coordinator shall, barring extenuating circumstances that preclude a more timely response (in which case the complainant shall be updated as to the status of the reconsideration request), rule upon the request for reconsideration within 15 workdays after receipt of the request.

An Internal ADA complaint does not preclude other remedies.

The right of a person to a prompt and equitable resolution of the complaint filed hereunder shall not be impaired by the person's pursuit of other remedies such as the filing of a discrimination complaint with the responsible federal department or agency. Use of this complaint procedure is not a prerequisite to the pursuit of other remedies, nor does one's pursuit of outside remedies preclude one's filing a complaint pursuant to this procedure.

These rules shall be construed to protect interested persons, to meet appropriate due process standards, and to assure that the university complies with the ADA, Section 504, and their implementing regulations.

Athletic Academic Services (AAS)

Athletic Academic Services (AAS) provides academic support for all students engaged in the university's intercollegiate athletic programs, monitoring their academic performance as well as their progress toward graduation. AAS collaborates with the Committee on Academic Performance (CAP) and the Faculty Athletic Representative (FAR), Professor Elaine Wise (Elaine.Wise@louisville.edu), as well as academic unit advisors, in order to foster a close relationship with the faculty and academic units. Services include academic counseling, tutoring, objective based study halls, career services, computer services, accommodative services for student-athletes with learning disabilities, and referrals to a variety of university resources. The office also provides advising for several Registered Student Organizations which encourage student-athletes to participate in campus and community leadership opportunities and initiatives.

AAS can be accessed at gocards.com (<http://gocards.com>).

Campus Health Services

Student Medical and Psychiatric Services

The Campus Health Service provides medical and psychiatric services to undergraduate, graduate and professional students. Services include primary care, psychiatric, travel medicine and nutritional consults as well as allergy injections, immunizations, sports physicals and diagnostic testing.

Although all students are encouraged to call for appointments, walk-in and same day appointments are generally available at both locations. Charges for medical services are applied to the student's insurance and/or health fees. Students are responsible for any balance not covered by insurance or fees. Psychiatric services are covered through student fees.

There are two Campus Health Center locations that serve health needs of our students. The centers are located at:

Belknap Campus

Cardinal Station
215 Central Ave. Suite 110
(502) 852-6479

Health Sciences Center

Health Care Outpatient Center (HCOC)
410 E. Chestnut St. Suite 110
(502) 852-6446

Health Insurance and Health Fees

All students enrolled for at least six hours are charged the Primary Care Health Fee (PCHF) which can be waived within thirty days of the first day of class with proof of health insurance. The fee entitles students to basic services at the health centers such as examinations and allergy injections. This fee is not health insurance and does not provide for specialty care, hospitalization, x-ray or laboratory services. The PCHF fee can be waived with proof of health insurance or used as a supplement to the student's insurance.

All students enrolled in a program of study that requires them to train in the University's affiliated teaching hospitals such as the MD, DMD, Dental Hygiene, Audiology, and Speech Pathology programs are required to carry major medical insurance and pay a non-waivable Health Professionals Health Fee (HPHF). Students in these programs are charged for the university-sponsored insurance plan but may waive it with proof of alternate coverage.

For additional information about Campus Health Fees, contact the Insurance Advocate via email at stuins@louisville.edu or visit the Campus Health website (<http://louisville.edu/campushealth/information/fees/primary-care-health-fee>).

Campus Insurance Advocate

Cardinal Station
215 Central Ave. Suite 110
(502) 852-6519

Office of Health Promotion and Education

Health Promotion, a division of Campus Health Services, provides a variety of wellbeing programs, services, and resources including yoga, chair massage, stress resilience workshops, drop-in guided meditations, flash nap workshops, free & anonymous HIV testing, sexual health and consent workshops, safer sex supplies, healthy eating on campus, cooking workshops, and U-fit coaching.

Office of Health Promotion and Education Campus Health Services

Student Activities Center
2100 South Floyd Street, room W309
(502) 852-5429

Additional information can be found on the Campus Health Services Office of Health Promotion website (<http://www.louisville.edu/healthpromotion>).

PEACC—Sexual Assault and Domestic Violence Center

Peace, Education, and Advocacy on Campus and in the Community

The PEACC Center believes that every student has the right to live, learn, and love free of violence and fear. PEACC provides services and programs that address power based personal violence such as dating violence, stalking and sexual assault. Students who have been directly impacted by personal violence can access free and confidential support, resources and referrals, and a survivor's network. Services are confidential to the limits provided by law.

In addition, the PEACC Center aims to prevent power-based personal violence by offering training, community discussions, art and activism projects, and awareness events like the Take Back the Night annual march and rally.

The PEACC Center

Campus Health Services
2100 South Floyd Street
Student Activities Center Room 309 H

For more information about the PEACC Center's programs and events please call (502) 852-2663 or visit louisville.edu/peacc.

Campus Housing

Be at the center of the Cardinal experience as a resident of UofL Housing.

More than a place to rest your head, UofL's housing program offers a community-like atmosphere that supports students as they successfully transition from high school to college. It's a place where everyone can belong and make life-long connections to their peers. Campus Housing promotes a safe, convenient, inclusive and healthy living-learning environment, providing opportunities that engage students, facilitate student and faculty connections and encourage student success.

Total facilities include 11 residential communities on campus, four affiliated properties bordering Belknap campus, and one affiliated property near the HSC campus. First-year students are required to live on campus (please see First-Year Live-on Policy (<http://louisville.edu/housing/info/policies/firstyear>)).

The facilities are home to more than 6,000 students from Louisville, across the country and around the globe. Staffed by a team of professionals with expertise in student learning and development, we strive to make sure learning doesn't stop in the classroom. We emphasize healthy lifestyles and provide programs that facilitate student engagement and personal growth.

Housing is one of the largest campus employers of students on campus, with more than 300 part-time student employees assisting in facilities, services and programs that support our campus communities and help them thrive. The dynamic combination of professional staff, student leaders, and residents helps make UofL a vibrant campus with something to offer every individual.

For information, please contact the Campus Housing office:

Website: louisville.edu/housing

Phone: (502) 852-6636

Email: housing@louisville.edu

Career Development Center

The Career Development Center engages the campus community in comprehensive career and professional development connecting passion to purpose through innovative and inclusive career services.

To utilize CDC services fully, students and alumni must register through Cards Career Connection (<https://louisville.joinhandshake.com/login>) powered by Handshake. Among these services are:

- **Student Employment** – on and off campus positions available in Handshake;
- **Individual Career Coaching** – appointments with a career coach available through Handshake;
- **Career Assessments** – career coaches utilize Focus 2, Myers-Briggs Type Indicator, and the Strong Interest Inventory to assist students with career exploration;
- **Mock Interviews** – InterviewStream mock interview software available to students on our website;
- **Document Drop** – a resume and cover letter critique program;
- **Drop-in Advising** – open hours for brief advising without an appointment;
- **Internships & Professional Positions** – available in Handshake;

- **Career Workshops** – on career-related issues are available to classes and organizations;
- **Career Fairs** – where employers and students can network in a variety of fields;
- **Career Treks** – where students visit area employers;
- **Career Videos and Resources** – a variety of resources covering many topics from career exploration to resumes and interviewing are available on our website.

The Career Development Center collaborates with the career centers in the College of Business, Speed School of Engineering, and the Brandeis School of Law.

Please visit the Career Development Center's (<http://louisville.edu/career>) website for more information.

Counseling Center

The mission of the Counseling Center is to provide services and programs that support the psychological well-being, holistic development, and retention of University of Louisville students. The Counseling Center provides short-term individual, group/workshop, and couples counseling, outreach, urgent consultation, and psychological testing for currently enrolled students (psychiatric/medication services are provided by Campus Health).

Our clients seek services for a variety of areas of concern, including psychological, personal/social, academic, and career issues.

There is a fee for psychological testing, but all other services are covered by your student fee. Services are confidential to the limits provided by law.

We are committed to diversity in the provision of services and in supporting the University community, while honoring the unique needs and concerns of individuals and traditionally underrepresented groups.

UofL Counseling Center

Cardinal Station, 215 Central Ave, Suite 201 (Second floor)

louisville.edu/counseling

(502) 852-6585

The Counseling Center is accredited by the International Association of Counseling Services (<http://www.iacsinc.org/faqs.html>) (IACS).

The Center is open Monday–Friday from 8:00 am–5:00 pm, and we provide urgent consultations on a walk-in basis from 8:30 am–4:30 pm. We honor all University Holidays, closings, and delayed starts, and are closed on Oaks Day. There is free parking, and we are along the 94 Shuttle route.

For more information, including descriptions of our current groups and workshops, please call us or visit our website (<http://louisville.edu/counseling>).

Disability Resource Center

The Disability Resource Center coordinates services and programs for students and prospective students with disabilities. Accommodations and support services are individualized, depending on the needs of each student. Services and programs are designed to assure access for

qualified students with disabilities to all programs and activities of the university.

Students are strongly encouraged to make early contact with the Disability Resource Center to assure adequate time to implement support services.

Please contact the Disability Resource Center at (502) 852-6938 or visit our webpage at louisville.edu/disability.

Drug-Free Schools and Campuses

Drug-Free Schools and Crime Awareness, Campus Security Information Report 1993, and Communities Act Amendments of 1989

Purpose and Goal

The University of Louisville is committed to protecting the safety, health and wellbeing of all students, faculty, and staff and other individuals in our workplace. As a recipient of federal grants and contracts, the university gives this notice to students, faculty, and staff that it is in compliance with the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V Subtitle D) and the Drug-Free Schools and Communities Act Amendment of 1989. Students, faculty and staff are herein notified of the standards of conduct that will be applicable while on university property, business, and/or at university-sponsored activities. This policy is incorporated and is a part of the official University of Louisville Policies and Procedures.

This policy recognizes that student, faculty, and staff involvement with alcohol and other drugs can be very disruptive, adversely affect the quality of work or academic performance of student, faculty, and staff, pose serious health risks to users and others, and have a negative impact on productivity and morale.

As a condition of employment or enrollment, the university requires that students, faculty, and staff adhere to a strict policy regarding the use and possession of drugs and alcohol. The university encourages students, faculty, and staff to voluntarily seek help with drug and alcohol problems.

Prohibited Behaviors

Under university regulations, federal law, state law, and, in some instances, local ordinance, students, faculty, and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on university property, on university business and/or at university-sponsored activities. Under this policy, students, faculty and staff are required to abide by state laws concerning alcoholic beverages.

Kentucky law (<https://apps.legislature.ky.gov>) (KRS 244.085 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=45137>)) states that, if one is under the age of 21, it is unlawful to:

- Possess or consume alcoholic beverages,
- Misrepresent one's age for the purpose of purchasing alcoholic beverages, or
- Use a fake ID in an attempt to purchase alcoholic beverages.

It is unlawful for anyone of any age to:

- Procure any alcoholic beverages for anyone under 21 years of age,
- Drink or be intoxicated in a public place (Public Intoxication KRS 525.100 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=19929>))

University campuses and buildings are considered as public places for purposes of these laws, except for a facility licensed to serve alcoholic beverages, and a facility used as a private residence, unless university regulations state otherwise. Ordinances of the Greater Louisville area parallel the state laws.

The specifically defined standards of conduct, the disciplinary procedures, and the appropriate sanctions are detailed in the Code of Student Conduct (p. 83), Personnel Policies and Procedures (PER-5.01), Staff Handbook (Disciplinary Action, page 8.2) and *The Redbook*.

In addition, it is a violation of state law to operate a motor vehicle while under the influence of any substance that may impair one's driving ability (drugs or alcoholic beverages).

Prescription and over-the-counter drugs are not prohibited when taken in standard dosage and/or according to a physician's prescription. Any student, faculty, and staff taking prescribed or over-the-counter medications will be responsible for consulting the prescribing physician and/or pharmacist to ascertain whether the medication may interfere with job or academic performance.

The illegal or unauthorized use of prescription drugs is prohibited. It is a violation of our drug-free workplace to intentionally misuse and/or abuse prescription medications. Appropriate disciplinary action will be taken if job or academic performance deterioration and/or other accidents occur.

Consequences for Violating This Policy

Under university regulation, students who violate this standard of conduct are subject to student conduct action from a warning to expulsion from the University. Students who reside in university housing are subject to further conduct action that may vary from a warning to termination of their housing contract.

Notice of Drug-Related Conviction

In compliance with the Federal Drug-Free Workplace Act of 1988, any employee shall notify the immediate supervisor if the employee is convicted of a criminal drug offense occurring in the workplace or while on university business within five days of the conviction. The university shall take appropriate sanction and remedies in accordance within its policies. The provisions of this section are applicable to students who are employees of the university. If the employee is under a federal contract or grant, the university shall notify the contracting or granting agency of the conviction and of its actions. This section of this policy is also applicable to students who receive a Pell grant (federal grant).

Health Risks

The scope and impact of health risks from alcohol and drug use are both alarming and well documented, ranging from mood-altering to life-threatening, with consequences that extend beyond the individual to family, organizations and society at large. The university, therefore, conducts regular programs to educate its students, faculty, and staff that consumption and use of drugs may alter behavior, distort perception, impair thinking, impede judgment, and lead to physical or psychological dependence.

Alcohol and/or drug use may lead to the deterioration of physical health by causing or contributing to various health conditions including but not limited to fatigue, nausea, personal injury, insomnia, pathological organ damage, some forms of cancer, pancreatitis, heart attack, respiratory depression, birth defects, convulsions, coma, and even death. Alcohol and drug use may also result in deterioration of mental health by causing or contributing to various conditions such as increased aggression, hallucinations, depression, disorientation, and psychosis.

Alcohol consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increases the incidence of a variety of aggressive acts, including spouse and child abuse.

Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described. Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life-threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver.

Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and intellectual disabilities. In addition, research indicates that children of alcoholic parents are at greater risk than other children of becoming alcoholics.

Training, Counseling, and Resources

The University of Louisville is committed to the overall health and well-being of students, faculty, and staff and encourages a compassionate university.

Required online sexual assault prevention and alcohol awareness training programs

Consistent with federal law, UofL requires, as a condition of course registration, that all incoming students complete online sexual assault prevention training and, for students who will be under the age of 21 on the "add" deadline in the semester they matriculate at UofL, alcohol awareness training. Emails are sent to each student's UofL email account (beginning about 5 weeks before their first semester begins) to provide specific directions for accessing the training programs.

The sexual assault prevention course and alcohol awareness course are **two separate programs**. There is no fee for either program.

Visit the Title IX (<https://louisville.edu/titleix>) website for more information.

Kentucky Medical Amnesty Law

KRS 244.992 (<https://apps.legislature.ky.gov/law/statutes/statute.aspx?id=42516>) Medical amnesty for persons reporting an alcohol overdose:

- (1) A person shall be immune from prosecution for the criminal offenses identified in subsection (2) of this section if:

(a) A law enforcement officer has contact with the person because the person:

1. Requests emergency medical assistance for himself or herself or another person;
2. Acts in concert with another person who requests emergency medical assistance; or
3. Appears to be in need of emergency medical assistance and is the individual for whom the request is made

See KRS 244.992 for full text.

Good Samaritan Consideration

The health and safety of our students is of the highest priority. At times, students may need immediate medical or other professional assistance. However, students may be reluctant to get help because of concerns that their own behavior may be a violation of the Code of Student Conduct (p. 83). Although policy violations cannot be overlooked, the University will consider the positive impact of reporting an incident when determining the appropriate response for policy violations.

Continuous efforts are made to make students, faculty, and staff aware of programs that provide information and professional services on matters related to the abuse of alcohol and drugs.

The Building Resilience In Campus Community (BRICC) Coalition, Counseling Center, Health Promotion Office, The PEACC Center, and the University of Louisville Police Department provide a number of programs and workshops using a tiered approach: a) primary prevention in the form of awareness, skill-building, and risk-reduction for all students and b) targeted presentations for specific high-risk populations.

The University Counseling Center is committed to assisting students with their mental health, personal development, and academic development. Because substance use is often connected to other personal/psychological issues, students coming to the Counseling Center with alcohol and substance use concerns are provided with support, appropriate therapeutic interventions, and referrals when necessary.

- Building Resilience in Campus Community (BRICC) Coalition: (502) 852-3442; louisville.edu/bricc
- Campus Health Services: (502) 852-6479; louisville.edu/campushealth
- Counseling Center: (502) 852-6585; louisville.edu/counseling
- Health Promotion Office: (502) 852-5429; louisville.edu/healthpromotion
- The PEACC Center: (502) 852-2663; louisville.edu/peacc
- University of Louisville Police Department: (502) 852-7233; louisville.edu/police

Find Your Fit (FYF)

Find Your Fit (FYF) is the university's current Quality Enhancement Plan (QEP) as required by its accrediting agency, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). FYF was launched in 2017 as an opportunity to foster a campus-wide conversation about student learning and success in the crucial second year of undergraduate studies. At the heart of this initiative is the design, implementation, and assessment of a new three-credit elective seminar, ECPY 302 Seminar on Personal and Academic Inquiry, offered through the

Department of Counseling and Human Development (ECPY), College of Education and Human Development.

This small seminar experience is designed for second-year undergraduate students who are undeclared, are pre-unit majors, or are in transition between majors. Students will explore an academic topic or theme of personal interest related to the seminar theme as they develop, complete and present their work on an original inquiry project. They will also engage in a variety of individualized and group activities to assist them in choosing a major and career path. Students will document their journeys and produce an Academic and Personal Plan in which they integrate their new knowledge and insights about the seminar topic, themselves, and their major and career trajectories.

Find Your Fit builds on the university's prior QEP, Ideas to Action (i2a (<http://louisville.edu/ideastoaction>)), which focused on fostering students' ability to think critically. The university has integrated key components of Ideas to Action into the undergraduate curriculum and experience. As we help our students "find their fit" academically and align their goals with a career path, UofL's QEP project is poised to have long-term implications for how we support our students inside and outside the classroom.

For more information about FYF and ECPY 302 Seminar on Personal and Academic Inquiry, visit the Find Your Fit website (<https://louisville.edu/findyourfit>).

International Center

The International Center is comprised of two offices, the Office of Study Abroad and International Travel and the International Student and Scholar Services (ISSS) office.

The International Center develops and promotes global efforts that is inclusive of the campus and local community in conjunction with the internationalization goals of the University. The International Center focuses on increasing international students and scholars at UofL; providing programming that serves this vital population; expanding cultural competency through increasing the number of students participating in education abroad programs; facilitating student and faculty international research and travel efforts; and providing quality services in support of these and other global initiatives.

For more information, contact one of the International Center's offices at iss@louisville.edu (iss@louisville.edu) or edabroad@louisville.edu. You can also visit the website at louisville.edu/internationalcenter.

Off-Campus Student Services

The Student Involvement Department (<https://louisville.edu/studentactivities>) provides opportunities for students who reside off campus to become engaged and connected to the university community through various programs and services. Through student organizations, events, and services, off-campus students can fully participate in the university.

The Student Activities Center provides services and the "living room" areas for off-campus students. Whether enrolling in one class or embarking on a new career, these areas provide students with a friendly, supportive environment where they may come for information, advocacy or a place to study or relax.

For more information, stop by and see us in the Student Activities Center (<http://louisville.edu/studentactivities/student-orgs/off-campus-services>) Room W310 or give us a call at (502) 852-6691.

Testing Services

This office serves as a national and university testing agency.

Office Location:

Testing Services

Davidson Hall, Room 310
Louisville, KY 40292

Campus testing includes: UofL faculty make-up exams; placement exams (Math/Reading); credit by exam (CLEP); Correspondence exams; and CIS 250. The ACT, SAT, and LSAT are also administered through Testing Services.

Testing Service's Prometric center offers individual computerized exams such as GRE, Praxis, and TOEFL. Registration materials are available online at louisville.edu/testing.

FINANCIAL INFORMATION



Financial Settlement

Continuing Registration

Tuition and fees are due on, or before, the designated due date for the semester. Payment Due Dates are noted on the Bursar webpage (<http://louisville.edu/bursar>). Payment may be made by cash, paper check, money order, or financial aid credit. All electronic check (ACH) or Credit Card payments (transaction fee applies) may only be remitted electronically via the web payment portal. Payments also may be made by mail, by use of the deposit box located in the front entrance of the Houchens Building, or at the Office of the Bursar.

For Payment Option information visit: louisville.edu/bursar

Failure to receive a Statement of Account will not relieve the student of the responsibility for making financial settlement by the designated due date. Registrations which are not financially settled by the designated due date will be placed on financial hold and affected students will not be permitted to add or swap classes until their student account is financially settled.

The due dates are listed in the current Registration Information newspaper and on the Bursar's website (<http://louisville.edu/bursar>) (Payment Due Dates).

Regular Registration

Students should be prepared to fully settle financial obligations by the last day to drop/add for the semester. Failure to fully settle financial obligations may result in financial penalties.

Financial Settlement Options

Due dates, payment information, payment plan options, and payment plan forms for specific semesters are updated regularly on the Bursar's website (<http://louisville.edu/bursar>).

Please address your questions to the Bursar's Office by email at bursar@louisville.edu.

Financial Penalties

Students whose accounts are not paid by established semester deadlines may be subject to financial penalties. Students with unpaid account balances will be placed on Financial Hold by the Bursar's Office. Students placed on Financial Hold become ineligible for further registration and transcripts will not be released until the student account is paid in full.

A late payment fee of \$100.00 may be assessed when student accounts are not paid by the last day to drop/add.

A student whose payment is not honored by the bank on which it was drawn may be assessed a return payment fee. If restitution is not made within 10 days of notification, the student may be subject to course cancellation and/or legal action.

Debtors who do not make satisfactory payment arrangements on their past due accounts may have their accounts placed with a collection agency. Students will be responsible to reimburse the University for the fees of any collection agency, which may be based on a percentage of the delinquent account balance (to a maximum of 40 percent of the delinquent account balance), and will also be liable for all reasonable attorneys' fees and costs and expenses incurred by the University in its collection efforts. The University of Louisville, or associated vendor partners, may also report to the credit bureau organization(s) any information regarding any unpaid obligation.

Withdrawal Policy

The effective withdrawal date is the date on which the withdrawal is processed in the Student Records System. This date is used in calculating any applicable tuition reduction.

More information on withdrawals can be found in the Course Registration Policies (p. 63) section of the undergraduate catalog.

Tuition Reduction

When a student officially withdraws from the University or from any course, or courses, for which hourly tuition rates apply, tuition and student activity fee charges will be adjusted according to the tuition reduction schedule printed in the Registration Information newspaper. The full amount of tuition/fee charges for the semester will be due unless the withdrawal occurs during the tuition reduction period. The tuition reduction schedule for each semester is available on the Bursar's website (<http://louisville.edu/bursar>) (Tuition Adjustment Schedule).

This policy applies to all tuition and student activity fees except for nonrefundable deposits. Course fees, special fees, and laboratory fees are reduced only with the 100% adjustment.

Financial Aid Recipients

Determinations regarding refunds of resulting credit balances will be based on regulations governing the financial aid awarded to the student. Federal regulations mandate that students have the right to cancel all or a portion of an EFT loan.

To request cancellation of all or a portion of your loan, contact the Financial Aid Office in writing:

Financial Aid Office
University of Louisville
Louisville, KY 40292

Office of Student Financial Aid

The Office of Student Financial Aid serves prospective students, current students, and their parents with financial aid questions and needs.

Website: louisville.edu/financialaid
Email: fnaid@louisville.edu
Call center: (502) 852-5511

Campus location: 110 Houchens Building, Belknap Campus

Website

On the Student Financial Aid website (<http://www.louisville.edu/financialaid>), visitors can access the following:

- Term-specific information on aid disbursement, residual funds, and financial aid advances;
- Financial aid news and upcoming important dates;
- Aid application and processing instructions;
- Award sources and types;
- UofL and outside scholarship postings;
- Consumer information.

Email Service Account

Send your email questions to finaid@louisville.edu. For specific account information, current students must email the office from their UofL account. Email responses typically occur within 3 business days.

Call Center

Contact the call center at (502) 852-5511 from 9:00 a.m. to 5:00 p.m. Monday through Friday. On Thursdays, the call center opens at 12:30 p.m.

This service is intended to assist prospective students, current students, and parents with their general financial aid questions. We ensure students' privacy by not disclosing account-specific information. Current students should have their student ID number ready when calling.

Office Hours

The Student Financial Aid Office provides walk-in counseling to both current and prospective students Monday, Tuesday, Wednesday, and Friday from 9:00 a.m. until 5:00 p.m.

On Thursdays, the office and call center are open from 12:30 p.m. to 5:00 p.m.

Check the Student Financial Aid Office website (<http://louisville.edu/financialaid>) for special hours during the August and January class registration periods.

Residency for Tuition Purposes Initial Determination and Deadline to Appeal

The initial determination of residency status is made during the admission process. A status may be appealed by filing an affidavit and documentation with the Registrar's office no later than 30 calendar days after the first day of classes of the term for which a determination of residency status is requested. Academic calendars are available on the university web site and with the Offices of Admission.

Pursuant to the residency regulation, 13 KAR 2:045 (https://apps.legislature.ky.gov/Law/KAR/013/002/045.pdf#xml=https://apps.legislaturekygov/LRCSiteSessionSearch/dtSearch/dtisapi6dll?cmd=getpdfhits&u=1a702ce5&DocId=5428&Index=E%3a%5cProduction%5cDTSearch%5cDTSearchIndex%5cKY_Administrative_Reg&HitCount=10&hits=c+d+e+f+10+11+12+13+14+15+&SearchForm=&pdf), an institution may set other deadlines for submission of other information required by the institution in a determination of residency status. Information packets are available from the residency website (<http://www.louisville.edu/residency>).

Statutory reference: Sections 13 and 14 of 13 KAR 2:045. Effective February 21, 2007.

Applications for Change in Residency Status and Appeals

Application for change in residency classification for purpose of tuition and fee assessment by a student enrolled in or an applicant to a program at the University of Louisville ("University") shall be made in writing to the residency appeals officer for initial consideration along with such information forms as the residency appeals officer may specify. The application for a change in residency classification must be filed no later than thirty (30) calendar days after the first day of classes of the academic term for which the change is requested. Appeals of residency determinations shall be based on administrative regulations promulgated by the Kentucky Council on Postsecondary Education. A written appeal of the decision of the residency appeals officer must be postmarked no later than fourteen calendar days from the date of receipt of notification of the residency appeals officer's written decision.

The Residency Review Committee is appointed by the executive vice president and provost (or designee) and shall be composed of four faculty and/or staff members and one student. The chairperson shall be elected by the committee. The faculty and/or staff members normally shall have staggered two-year appointments; the student member shall have a one-year appointment. The committee shall have authority to establish procedural rules and schedule meetings. A quorum shall consist of three members, and a quorum shall be necessary for committee action.

The Residency Review Committee shall consider appeals from applicants whose initial request for change in residency status has been denied by the residency appeals officer based upon the applicant's written appeal and the file in that matter to the extent provided by the Family Educational Rights and Privacy Act, 1974 (FERPA). The applicant shall be notified in writing as to the committee's decision.

If the decision of the committee is adverse to the applicant, the applicant may request a formal hearing by submitting a written request to the executive vice president and provost (or designee). This request must be postmarked no later than fourteen (14) calendar days from the date of receipt of notification of the committee's written decision.

The executive vice president and provost (or designee) shall appoint a hearing officer from outside the University to preside over formal residency hearings. Formal hearings shall be arranged based on a timely request from the applicant. The formal hearing shall provide for due process, including notice of hearing, examination of the information on which the University decision is based, and the right of an applicant to be represented by legal counsel and to present information and testimony in support of a claim of Kentucky residency. Hearing procedures will be consistent with 13 KAR 2:045 (https://apps.legislature.ky.gov/Law/KAR/013/002/045.pdf#xml=https://apps.legislaturekygov/LRCSiteSessionSearch/dtSearch/dtisapi6dll?cmd=getpdfhits&u=1a702ce5&DocId=5428&Index=E%3a%5cProduction%5cDTSearch%5cDTSearchIndex%5cKY_Administrative_Reg&HitCount=10&hits=c+d+e+f+10+11+12+13+14+15+&SearchForm=&pdf).

The hearing officer shall make a report with findings of fact and a recommendation to the executive vice president and provost (or designee) with a copy to the applicant. The executive vice president and provost (or designee) will decide the appeal on the record on behalf of the University and the Board of Trustees and will notify the applicant

in writing within thirty days of receipt of the hearing officer's report. In the event the decision of the executive vice president and provost (or designee) is not in accord with the recommendation and findings of the hearing officer's report, a written explanation will be provided to the applicant.

Council on Postsecondary Education Administrative Regulation

Relates to: KRS Chapter 13B, 164.020, 164.030, 164A.330(6).

Necessity, Function, And Conformity

KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported post-secondary education institution.

UNIVERSITY-WIDE ACADEMIC POLICIES



Clicking on the links listed below allows access to pages detailing broader areas of academic policy as well as individual pages devoted to specific policies.

These policies are effective for Academic Year 2019-2020 (Summer 2019 semester). Students enrolled in a term before this effective semester should consult with an advisor in their enrollment unit (<http://louisville.edu/advising/centers>) if they feel that they are disadvantaged by any change from previous policies.

Previous catalogs are available via the archive page of this catalog (p. 854).

Course Registration Policies (p. 51)

- **Academic Advising** (p. 54)
- **Alternative Coursework** (p. 55)
- **Auditing Courses** (p. 59)
- **Course Loads** (p. 60)
- **Pass/Fail** (p. 61)
- **Registration** (p. 61)
- **Repeating Courses** (p. 62)
- **Undergraduate and Graduate Courses** (p. 62)
- **Withdrawals** (p. 63)

Student Success Policies (p. 64)

- **Academic Forgiveness** (p. 66)
- **Academic Fresh Start** (p. 67)
- **Academic Standing** (p. 67)
- **Class Attendance** (p. 70)
- **Dean's List and Scholars** (p. 71)
- **Final Examinations** (p. 71)
- **Grading** (p. 71)
- **Incompletes** (p. 72)

Graduation Policies (p. 72)

- **Catalog Year** (p. 74)
- **General Education: Cardinal Core Requirements** (p. 74)
- **Graduation and Degree Requirements** (p. 76)
- **Graduation with Academic Honors** (p. 79)
- **Residency Requirements** (p. 80)

Student Records, Rights and Responsibilities (p. 81)

- **Academic Grievances** (p. 82)
- **Classification of Students** (p. 83)
- **Code of Student Conduct** (p. 83)
- **Code of Student Rights and Responsibilities** (p. 83)
- **Student Records** (p. 85)

Course Registration Policies



Information on policies regarding course registration and academic coursework at the University of Louisville can be found on this page or by clicking on the following links to topic-specific pages:

- Academic Advising (p. 54)
- Alternative Coursework (p. 55)
- Auditing Courses (p. 59)
- Course Load (p. 60)
- Pass/Fail (p. 61)
- Registration (p. 61)
- Repeating Courses (p. 62)
- Undergraduate and Graduate Courses (p. 62)
- Withdrawals (p. 63)

These policies are effective for Academic Year 2019-2020 (Summer 2019 semester). Students enrolled in a term before this effective semester should consult with an advisor in their enrollment unit (<http://louisville.edu/advising/centers>) if they feel that they are disadvantaged by any change from previous policies.

Previous catalogs are available via the archive page of this catalog (p. 854).

Academic Advising

Academic Advising at the University of Louisville is an on-going, intentional, educational partnership dedicated to student academic success. More information about academic advising can be found within the University-Wide Policies section (p. 50) of this Undergraduate Catalog.

Flight Plan

Flight Plan is a university-wide initiative that assists students in staying on course to graduate in four years or in the timeframe of their choice. Students learn about majors and how they connect to careers and then select a Flight Plan that meets their interests and their level of skills. Academic progress toward degree completion is monitored and students not meeting the published milestones for their Flight Plan must meet with an academic advisor to develop a plan to get back on course or select a different Flight Plan.

More information about Flight Plan can be found at louisville.edu/flightplan.

Athletic Academic Services

This office provides academic support for all students involved in the University's intercollegiate athletic programs. The academic performance of all student-athletes is monitored during the semester as well as their progress toward graduation. A liaison is maintained with the faculty through close collaboration with the Committee on Academic Performance (CAP) and Faculty Athletic Representative (FAR) – Elaine.Wise@louisville.edu.

Services offered include academic counseling, tutoring, objective based study hall, career services, computer services, accommodative learning services for student-athletes with learning challenges, and referral to other university offices to ensure that student-athletes are informed about other available resources. The office also advises several Registered Student Organizations which provide opportunities for student-athletes to get involved on campus and in the community. Additional information can be found online (<https://gocards.com/index.aspx?path=acadservices>).

Alternative Coursework

In addition to the traditional course offerings, the University of Louisville may award academic credit through alternative means. Such opportunities do not require the customary classroom attendance and participation and include extramural examinations, conference work, independent studies, internships, cooperative education, field experiences, and clinical rotations. Each of these experiences requires the approval of the enrollment unit and not all are available in every unit, so students should consult with the advising office for availability and requirements. The most common alternatives for earning credit outside of traditional coursework are independent study and internships:

Many units offer independent study courses, which provide the opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. Students must present a written plan to their department that includes the purpose, rationale, activities planned, and expected learning outcomes, and the plan must be approved by the instructor, department chair, and unit dean and submitted to the registrar. A title for this individualized study course will be assigned by the supervising faculty member and will appear on the student's academic record. Before applying for an independent study, students should have at least 30 semester hours and a 3.0 GPA.

Internships, cooperative education, field experiences, and clinical rotations give students the opportunity to earn academic credit for workplace experiences that support the educational goals of the student's academic discipline, and thus students should consult with their academic advisor to determine the requirements within their units.

Approved opportunities range from full to part-time, temporary to permanent, paid to non-paid. In some programs, internships, cooperative education, field experiences, and clinical rotations are required to satisfy degree requirements.

Auditing Courses

Audited courses do not earn credit, although the transcript will indicate that the course was taken as an audit. Because audit status is offered only on a space available basis, students may not register for a class in an audit status during early registration, nor may a student change from graded to audit status during that period. Students may register for classes in audit status during regular registration and then only with

the written approval of the instructor of the course. Not all instructors allow auditors. Work expectations of auditors can vary across courses and instructors, and the specific work expectations that will warrant the audit designation on the transcript should be confirmed with the instructor facilitating the course. Auditors who do not fulfill the work expectations may be withdrawn from the course with a grade of W noted on the transcript.

Students who have registered in audit status will not receive credit for the course unless their registration has been changed officially from audit to credit by the published deadline for such a change. Students are allowed to change from audit to grade status or from grade status to audit status at any time from the beginning of regular registration through the last day to add a class with approval from the course instructor. Students are advised that such approval is the instructor's prerogative, subject to completion of course prerequisites, and that audit status may have implications for financial aid eligibility. Any change of status must be submitted on a Drop/Add and Grade Type Change Form and turned in to the Registrar's Office by the deadline. Students admitted to the unit as Auditors are not eligible to take courses for credit and may not change their class registration from audit to credit.

Students are cautioned that auditing a class cannot substitute for taking the course for credit if that course is part of the credit hour requirement for graduation, including both college-wide and major requirements. Any required course taken as audit must be retaken for credit in order to be counted toward a degree. Students are advised to consult with their academic advisor to determine if registration in audit status is appropriate. Students may enroll for credit in any course which was taken for audit, in a semester subsequent to the semester when the course was audited, provided those students have been admitted to the unit on a basis that confers eligibility to take courses for credit. If students take a course for both audit and credit, the transcript will show both entries.

Course Load

All baccalaureate degree programs require at least 120 credit hours, but more may be required in some programs. A typical schedule in the fall and spring semesters is 15 semester hours, but may vary by semester and program from 12 to 18 hours. Some programs also have planned summer loads.

Students may need to prove full-time/half-time status in order to be eligible for dependent insurance and to defer repayment of some loans, among other reasons. Definitions of full-time/half-time are defined according to federal government regulations for financial aid recipients. Students will be certified as full-time if registered for 12 or more hours in any semester, including summer. Cooperative internships also qualify for full-time status in some units. For half-time status, students must be registered for a minimum of 6 hours during any semester, including summer.

Students in good standing typically may take no more than 18 hours in the fall and spring semesters. Under special circumstances, students who have completed a minimum of 30 hours at UofL and who have a cumulative grade point average of at least 3.0 may request permission through their advising center to take an overload. For the summer semester students are limited to 4 hours in the three-week summer session and 7 hours during each of the five-week summer sessions. Typically, there are no overloads for summer, though overload approvals may vary by unit. Permissions are handled by procedures determined by

the Dean's office in each unit, and some units may accept petitions for course overloads above those listed above.

Students on academic warning or probation and students admitted in conditional status are limited to 13 hours during the fall and spring semesters and to a total of 10 semester hours during the summer sessions.

Pass/Fail

Undergraduate students in good academic standing may enroll in one undergraduate course each semester on a pass/fail basis, provided that the course is not used to meet a general education requirement, a programmatic requirement, a prerequisite requirement for admission to a degree program, or a foreign language requirement for a degree program.

If the course is letter-graded, the instructor's agreement (signature) must be secured by students for pass/fail grading to be applied to the course, and the student's enrollment unit must approve the request. Courses completed on a pass/fail basis will not be assigned any quality points, but credit will be given if the grade assigned is a P. If the grade assigned is F, it will be calculated as such in the student's grade point average. No changes from letter grade to pass/fail, or vice versa, may be made after the University's deadline to withdraw from a course. No letter-grade equivalent for a P grade will be assigned or reported. This policy will not apply to courses taught only on a pass-fail basis, such as some internship and field experience courses.

Registration

Students may register for courses during the priority early registration period before the beginning of the semester. A student's first opportunity is based on classification and alphabetic rotation. The early registration period is then followed by regular and late registration. The registration calendar for any term is published online by the office of the registrar.

Initial registration and any later registration changes are usually completed by students through the registration link of the ULink online portal.

Initial registration must be completed by the date announced by the registrar, typically the Friday of the first week of classes. Students may make adjustments to their course schedule until the end of the first week for regularly scheduled fall and spring courses. For summer courses and courses with atypical duration, the last date to adjust schedules is specified by the registrar in the official registration calendar. This last day to adjust schedules is referred to as the last day to drop/add.

Students may add courses to their schedules until the last day to drop/add. No signature or other authorization is required if the added course is open for enrollment, if students meet all course prerequisites, and if such additional courses do not raise the students' credit#hours for the term above the maximum allowed by the students' enrollment unit or academic standing. If the addition increases the tuition cost for the semester, the additional payment must be settled with the university bursar by the last day to drop/add.

Students can place their names on the waitlist for a course that is closed.

Students are automatically moved from the waitlist to registration in the course as spaces open until the end of the first week of classes.

Students may add their names to the waitlist until the third day of classes for regularly scheduled fall and spring courses, and the first day of classes for summer courses.

Students may drop a course from their schedule until the last day of drop/add. Courses that are dropped during the regular registration period are not listed on the transcript. Students should consider how dropping a course will affect their Flight Plan status, their progress toward their degree and their financial aid eligibility. Students who stop attending a class but fail to complete the drop process, regardless of the date when they stopped attending the course, will be given the grade of F for the course.

Students who wish to enroll in concurrent courses at another institution should consult their academic advisor before registration to secure a visiting student letter, and to ensure proper enrollment and recording of courses. Students in good standing who have earned a minimum of twelve hours may be able to cross register at other universities in the Kentuckiana Metroversity consortium. Cross registration is permitted on a space-available basis at the discretion of the member institutions. The combined program of work in all institutions may not exceed the maximum course load permitted for students at the University of Louisville. Failure to follow these guidelines may result in loss of credit or ineligibility to transfer the credits from the other schools toward the requirements for graduation.

Repeating Courses

Students are allowed to repeat a course only once, with the most recent grade counting for grade point average calculation and towards degree requirements. Students are advised to weigh carefully the trade-off between 1) possibly improving their academic standing by repeating a course and earning a higher grade, and 2) the investment of time and money in repeating courses.

Students may petition to repeat a course more than once through a process determined by each academic unit.

Although all grades are displayed on the official transcript, repeated courses cannot receive double credit in hours required for the degree and count only once toward graduation.

Students may only receive federal and state financial aid funds one time for retaking previously passed coursework. Students should speak with a financial aid advisor about the impact on financial aid before making the decision to repeat a course that was previously passed.

Undergraduate and Graduate Courses

Students must have completed the proper prerequisites to register for any course. It is the student's responsibility to know the prerequisites for a course by checking the course description section of the online university undergraduate catalog. While some of these courses are open to all students enrolled in the University of Louisville, many are restricted to students in certain programs.

The dean's office in each unit reserves the right to administratively withdraw students from courses based on academic policies.

The units also reserve the right to cancel without prior notice any courses listed in the Schedule of Classes, and to cancel any course that does not have an adequate enrollment at a reasonable time during the registration period for the semester. The university attempts to provide all courses required for graduation frequently enough to ensure that no student's degree will be delayed by course unavailability, but the university cannot guarantee that such delay will not occur.

University of Louisville undergraduate students typically take courses at the 100 through 400 level. Courses numbered below the 100 level are not used in calculations of earned hours or the university grade point average. Courses numbered at the 100 and 200 level are primarily for freshmen and sophomores, and such courses generally contain introductory or basic material. Courses numbered at the 300 and 400 level are primarily for juniors and seniors, and such courses generally contain advanced undergraduate material.

Courses at the 500-level may be open to both advanced undergraduate and graduate students. Courses numbered at the 600-level and above are for graduate students only. Undergraduate students requesting to enroll in a 500-level course for graduate credit or in a 600-level course may do so only with special permission of the instructor in the course and the dean of the student's enrollment unit, be registered for at least one undergraduate course, have earned at least 60 credit hours of coursework at the undergraduate level, and have a cumulative GPA of at least 3.0. A maximum of nine (9) credit hours of graduate coursework may be applied to the undergraduate degree. Such graduate level courses will satisfy requirements toward the undergraduate degree and therefore cannot be used for subsequent graduate credit.

In rare cases, undergraduate students at the University of Louisville who are within six (6) semester hours of completing the baccalaureate requirements and who are enrolled in a graduate course may obtain graduate credit at the University of Louisville. This can only occur if the course has not been used to satisfy part of the baccalaureate requirements, and if the chair of the department involved and the unit dean approve.

Accelerated Bachelor's/Master's Option

Undergraduate students enrolled in accelerated programs are eligible to register for graduate-level coursework. Students must apply for admission to the program no later than the end of their junior year to be eligible enroll in graduate coursework in their final year of the program.

The student may take a maximum of nine (9) credit hours for graduate credit, which will also apply to the requirements for the baccalaureate degree. Those nine (9) credit hours of graduate credit must be transferred to the student's graduate record after the student completes one semester as a graduate student.

See specific degree programs for further requirements.

Withdrawals

Students may *withdraw* from courses after the drop/add period up until the withdrawal deadline. A grade of W (withdrawal) will be posted to students' transcripts. The hours count as attempted hours but do not count as earned hours, and the grade will have no effect on the students' grade point averages. Students withdraw by using the registration link of the ULink online portal. No signature or other authorization is required if the change is made by the withdrawal deadline, but students should consult with academic and/or financial aid advisors to understand how withdrawing from a course will affect their academic plan status, their progress toward their degree, and their financial aid eligibility.

The withdrawal deadline for each semester is specified in the official registration calendar. The deadline typically occurs shortly after mid-term. Students who stop attending class without withdrawing will be given the grade of F for the course.

Students who make a *complete withdrawal* from all courses for a particular semester should contact their academic advisor to seek

alternative solutions and/or to improve the possibility of returning to the university at a later date. A complete withdrawal must be processed in accordance with the procedures established by the academic unit.

In exceptional circumstances, students may petition for a *late withdrawal* after the withdrawal deadline. Students who intend to continue in other courses during the semester must petition the course *instructional unit* (the academic unit in which the course is taught). Students who intend to withdraw from all courses for which they are registered (*late complete withdrawal*) must petition their *enrollment unit* (the academic unit in which they are enrolled for their degree work). Proper documentation of the exceptional circumstances must accompany the petition for a late complete withdrawal. The enrollment unit shall request and consider all instructors' recommendations in deciding on the petition for a late complete withdrawal. Students should contact the advising office in the appropriate unit for guidance in the petition process.

Compassionate Withdrawal

Students may request and be considered for a *compassionate withdrawal* when extraordinary circumstances prevent students from continuing in classes or completing academic requirements. If students are gravely incapacitated, the request may come from the student's spouse, family or legal surrogate. The office of the dean of students will gather necessary documentation to show that the situation is incapacitating. Such situations cover both physical and mental health issues, serious illness or injury, and extraordinary personal reasons. The office of the dean of students will review and evaluate the compassionate withdrawal request and take follow-up action to refer the case to the appropriate officer (e.g., unit dean) for review and decision.

The Office of the Dean of Students will coordinate the process with the unit dean's designee. An academic withdrawal does not remove a student's financial responsibility for his/her educational expenses. Students are responsible for payment of any outstanding charges including, but not limited to tuition, fees, parking, housing and other expenses, after the academic withdrawal is granted. The Office of the Dean of Students will assist with the identification and completion of all necessary business processes.

Withdrawal Effective Date

The effective withdrawal date is the date on which the withdrawal is processed in the student records system. This date is used in calculating any applicable tuition reduction. When students officially withdraw from any course or courses for which hourly rates apply, tuition will be adjusted at the following ratios for regularly scheduled fall and spring classes:

0% charge/100% credit	Drop during first week of semester	100% fees
50% charge/50% credit	Withdrawal during second or third week of semester	0% fees
75% charge/25% credit	Withdrawal during fourth week of semester	0% fees
100% charge/0% credit	Withdrawal after fourth week of the semester	0% fees

Summer courses and some fall and spring semester courses vary in length and the percentage of refunds is modified. Refund deadlines

for special terms and courses are listed in the online Registration Information (<https://louisville.edu/registrar/registration>).

Course fees (as opposed to tuition) are refundable only with 100% credit.

Academic Advising



University Policies: Academic Advising

Each undergraduate unit at the university has full-time academic advisors available to assist students in planning the completion of their degree program and in navigating UofL resources. Some of the units at the University offer faculty advising and mentoring as well.

While academic advisors will make every effort to guide students throughout their education, students are ultimately responsible for developing a familiarity with and adhering to university, unit, and departmental policies and procedures. Students are expected to meet regularly with an advisor who will assist them with staying on their four-, five- or six-year Flight Plan (<http://louisville.edu/flightplan>) for graduation.

More information about academic advising and resources, including links to the unit advising centers, can be found at the Undergraduate Advising website (<http://louisville.edu/advising>).

Academic advising assists students with, among other things, the following:

- Choosing a major and developing a four-, five- or six-year Flight Plan (<http://louisville.edu/flightplan>) for graduation.
- Selecting appropriate courses and making schedule changes.
- Navigating course repeats and withdrawals.
- Addressing academic difficulties in coursework and issues related to academic standing.
- Advising on campus resources.
- Filing leave of absence requests.
- Processing transfer credit evaluations and degree audits.

Students may not register for classes until their advising requirement has been satisfied. The following categories of students are required to meet with an advisor each semester in order to register for courses:

- Freshmen with less than 24 earned credit hours applicable to the degree.
- Transfer students (external and internal) upon initial admission and in their first semester.
- Students who are on academic warning and probation.
- Students who have a break in enrollment of two or more consecutive years.

- Students who are undecided.
- Students who are seeking admission into another enrollment unit.
- Students who have missed program milestones.
- Students who are required to be advised by individual academic units.

Visiting and post-baccalaureate students are not required to meet with an advisor in order to register for courses in the subsequent semester.

Unit-Specific Policies: Academic Advising

In addition to the university-wide policies regarding Academic Advising, students may be subject to the unit-specific requirements listed below.

More information about academic advising and resources, including links to the unit advising centers, can be found at the Undergraduate Advising website (<http://louisville.edu/advising>).

College of Arts & Sciences

In addition to the university requirements, academic advising is required for the following students enrolled in the College of Arts & Sciences:

- All students with fewer than 30 earned hours,
- Returning students who have sat out for a period of one semester or longer, and
- Students with 45 or more earned hours who have not formally applied for and been accepted into a major program.

Visiting students and post-baccalaureate students are not subject to the advising requirement. Students for whom advising is required will not be permitted to register for courses until completion of the advising requirement has been entered into the enrollment system.

Students who have been accepted to a major are highly encouraged to meet with faculty in their field of study. The College of Arts & Sciences also provides pre-professional advising for students interested in careers in law and in health-related fields.

College of Business

All business students are recommended to schedule an appointment with their advisor at the Reinhardt Academic Center periodically; Equine majors must contact the advisor within that discipline.

College of Education and Human Development

All students entering degree and/or teacher certification programs must schedule an appointment to meet with an academic counselor in Education Advising and Student Services to have an official program sheet prepared. This includes both internal and external transfer students who have been admitted to the College of Education and Human Development as well as new freshmen.

School of Music

Advising is required for all music students until they have completed all prerequisites for Upper Division courses. (See the Upper Division statement in the School of Music Unit Section and in the music degrees outlined in the undergraduate catalog.) Students will be blocked from registration for classes until the advising requirement has been satisfied.

School of Nursing

Freshmen and transfer students with less than 28 hours are required to be advised prior to registration. All new students are required to be advised regardless of credit hours.

Students who are out of sequence in their upper division program of study must meet with their advisor to revise their program of study and submit a School of Nursing space available form.

School of Public Health and Information Sciences

A student is assigned an academic advisor on matriculation and is required to meet with that advisor every semester. The student is responsible for scheduling these required advisory meetings.

Speed School of Engineering

All BS and MEng students are required to be advised by their academic counselor each semester. Students will be unable to register for classes until cleared by an academic counselor.

Alternative Coursework



University Policies: Alternative Coursework

In addition to the traditional course offerings, the University of Louisville may award academic credit through alternative means. Such opportunities do not require the customary classroom attendance and participation and include extramural examinations, conference work, independent studies, internships, cooperative education, field experiences, and clinical rotations. Each of these experiences requires the approval of the enrollment unit and not all are available in every unit, so students should consult with the advising office for availability and requirements.

The most common alternatives for earning credit outside of traditional coursework are independent study and internships:

Independent Studies

Many units offer independent study courses, which provide the opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. Students must present a written plan to their department that includes the purpose, rationale, activities planned, and expected learning outcomes, and the plan must be approved by the instructor, department chair, and unit dean

and submitted to the registrar. A title for this individualized study course will be assigned by the supervising faculty member and will appear on the student's academic record.

Before applying for an independent study, students should have at least 30 semester hours and a 3.0 GPA.

Internships, Cooperative Education, Field Experiences, Clinical Rotations

These courses give students the opportunity to earn academic credit for workplace experiences that support the educational goals of the student's academic discipline. Students should consult with their academic advisor to determine the requirements within their units.

Approved opportunities range from full- to part-time, temporary to permanent, paid to non-paid.

In some programs, internships, cooperative education, field experiences, and clinical rotations are required to satisfy degree requirements.

Unit-Specific Policies

In addition to the university-wide policies regarding Alternative Coursework, students may be subject to the unit-specific requirements listed below.

College of Arts and Sciences

Conference Work

Conference work refers to completion of course requirements through satisfactory performance on all regularly scheduled writing assignments and examinations, including the final examination. Students enrolled for conference work are excused from regular class attendance. However, the following requirements apply:

- The instructor excuses the students from all participation except for the writing assignments and examinations;
- The waiver must be given at the beginning of the semester;
- The students must be enrolled for credit in the courses; and
- The students must pay the regular fees for credit courses.

Students who satisfactorily complete the requirements for conference work receive the same semester hours as though they attended the class regularly, and their grade will be determined by performance on the writing assignments and examinations.

Credit by Examination

Extra-curricular examinations allow students to fulfill course requirements by meeting criteria established and evaluated by a special examining committee. These examinations are customarily taken by students whose work outside of college classes has given them knowledge equivalent to that of students who have completed the classes.

The requirements for such an examination are:

- Students must first obtain the approval of the chair of the department in which they propose to earn credit through examination, specifying why credit by examination would be justified in their programs.
- Students must obtain an application for credit by examination from the College Advising Center and return the completed form to the Center.

- Students must pay one half the regular fees for the course.
- A faculty committee must agree to serve as examiners. The committee will consist of a regular instructor for the course, who chairs the committee, and two additional examiners, one of whom must be from outside the Division.
- Students must take both a written and an oral examination.
- Students must submit to the chair of the committee any evidence of achievement, in addition to the written and the oral examinations, which the chair requires.
- Students must be enrolled concurrently in the College for a minimum of 6 semester hours of regular course work.

Credits earned by conference work or by examination are counted in the student's regular load, which must not exceed 17 semester hours per semester. (See Course Load).

Cooperative Internships

The College will award academic credit for eligible work experiences that qualify under the College's Internship Policy. To qualify for enrollment in a cooperative internship course for credit, each student is required to present:

- Either 45 credit hours, including 9 in the unit in which credit is sought, or 60 credit hours, including 6 in the unit in which credit is sought;
- A minimum grade point average of 2.5 for all coursework taken; and
- A completed Application for Enrollment in Cooperative Internship Form.

Transfer students must have completed one full semester of work (i.e., 12 hours) at the University of Louisville.

A maximum of twelve credits of Internship (including hours earned in GEN 301) may apply toward the 121 hours required for the degree.

For information about internships, contact the chair of the department of the major.

Independent Study

Students may, with permission of the Departmental or Divisional Chair and the Dean, register for Independent Study in a particular department. The student must have an overall grade point average of 3.0, a grade point average of 3.5 in the department, and at least 18 semester hours' credit in that department unless otherwise waived by the department. Independent Study consists of a minor research project conducted under the direction of a faculty member. Students obtain forms for Independent Study from their department. The completed forms with required signatures must be turned in at registration. Credits earned through Independent Study are counted in the regular load, which must not exceed 18 credit hours per semester.

College of Business

Awarding of Credit for Non-Traditional Work

The College of Business does not award credit for work experience, noncredit courses or internships, independent studies, or co-ops taken at another academic institution.

Correspondence Courses

The College of Business does not offer courses by correspondence, nor does it grant credit for business courses taken by correspondence.

Students who wish to take correspondence courses to fulfill the Arts and Sciences requirements for their program should contact the College of Business, Reinhardt Academic Center.

Cooperative Education

The COB faculty and employers structure individually appropriate practical experiences that build professional competence, apply academic principles, and help evaluate career options.

COB majors may earn either three (3) or six (6) hours of academic credit through the Co-op program, as specified in each major's Degree Program section of this catalog. One hour of academic credit is given for each 75 hours of approved work. Students can be considered full-time during a semester in which they are registered for three (3) Co-op credit hours. Students register for credit during the semester in which the majority of the work takes place. Start dates for COB Co-op are flexible. Co-op evaluations are graded on a Pass/Fail basis. Deadlines for each semester are posted in the COB Ulmer Career Management Center.

Under certain circumstances a student may be eligible to take an approved internship or Co-op for no academic credit. Such an internship or Co-op will appear on the transcript without any academic credit. Contact the Ulmer Career Center for details.

All majors are encouraged to plan in advance for Co-op, which is typically taken during the junior and/or senior years. Computer Information Systems majors register for Co-op as a graduation requirement and usually work full-time for six (6) months prior to graduation.

International students must validate work authorization eligibility through the International Center prior to working with the COB Ulmer Career Management Center.

Approved COB Co-op may be paid or non-paid. Students may work full-time, alternating semesters of Co-op with semesters of campus academics. Or, students may work part-time, in order to parallel workplace and classroom experiences. Employment arrangements are between students and employers while the COB provides structure, guidance, and evaluation for educational components. Program requirements include the following:

- Be enrolled in good standing in the College of Business
- Maintain a 2.0 cumulative university GPA.
- Have completed prerequisite courses established by each major area of study.
- Work in positions that are approved for credit in the educational discipline of the student's major. These positions must be current level-appropriate experiences that can be characterized as new learning and/or new responsibilities. Credit is not given for past employment experience or continuing employment that does not offer new employment challenges.

Apply for COB Co-op on the Ulmer Career Center website: business.louisville.edu/careers.

Business minors (other than Management) do not have the option for Co-op credit.

College of Education & Human Development

Course by Conference

Under certain circumstances, a student may complete a course on an individual basis with an instructor. This is called a course by conference. Course by conference forms are available in the Education Advising

and Student Services office. Signatures of the instructor, department chairperson, and dean are required on the form.

Independent Study

Credit may be earned by independent study with the permission of the dean, department chairperson, and instructor. Independent study forms are available in the Education Advising and Student Services office.

Statement on Student Teaching/Field Experience

In all phases of the Developmental Teacher Preparation Model, candidates participating in field and clinical experiences must abide by all policies, rules, and regulations of the University and the assigned school. Failure to abide by standards of conduct and performance established by the faculty may result in removal from the program. Electronic documentation of 200 hours of diverse and approved field experiences is required prior to student teaching.

Student teaching requires a minimum 15-week clinical experience in school setting(s) related to the teaching certificate a teacher candidate is seeking. Teacher candidates work with a cooperating teacher and University supervisor participating in the work of teaching. Evaluation is based on Kentucky Teacher Performance Standards and Professional Code of Ethics.

Speed School of Engineering

Independent Study Courses

Engineering students should have at least 30-semester hours and a 2.5 GPA before applying for an independent study. Students must obtain approval from the instructor, department chair, and Associate Dean for Academic Affairs.

Cooperative Education

The principal purpose of the J.B. Speed School of Engineering is to give the student a thorough, well-balanced training in engineering and applied science as preparation for entry into the profession of engineering. The Engineering Office of Co-op and Career Development assists each student in obtaining a suitable cooperative work assignment in their chosen industry or research field, at locations throughout the US and occasionally abroad. During each co-op assignment, students work full-time and receive a salary from their employer

Engineering Cooperative Education

In order to qualify for the Bachelor of Science degree, students must successfully complete three engineering co-ops.

Eligibility for Co-op

Co-op eligibility is dependent upon the student's admission to an academic department, being in good academic standing within Speed School, and upon completion of pre- and co-requisites for the Co-op Seminar (288) and co-op rotations (289, 389, 489). Students must be enrolled in the Co-op Seminar (288) in a semester preceding their first cooperative work assignment. In addition, transfer students must have completed at least one semester of full-time coursework in Speed School including the Co-op Seminar (288) before their first co-op.

A student may lose their eligibility for co-op for any of the following reasons:

- Academic Warning or Probation,
- Disciplinary Probation,
- Employer Termination,
- Unauthorized Change of Co-op Employer,

- Actions that reflect negatively on the J.B. Speed School of Engineering,
- Unprofessional conduct (not attending scheduled interviews, not responding to Co-op office enquiries, etc.), or
- Unsatisfactory Co-op Employer Performance Review.

If a student loses their Co-op eligibility, they must submit a petition to re-enter Co-op.

Student Responsibilities

Students will alternate Co-ops with semesters of full-time class work.

Students are required to register for the Co-op prior to the beginning of each work term.

Students are expected to work the dates of Co-op designated by the Engineering Office of Co-op and Career Development Office.

Unless specifically approved by the Co-op coordinator, all Co-op work terms will be conducted with the same employer and in alternating semesters.

Students are employees of the company or organization while they are on Co-op and are subject to employer rules and regulations. Students are expected to maintain the highest performance and behavioral standards while on Co-op.

If a student is terminated from cooperative employment or otherwise disciplined for any reason, it must be immediately reported by the student to the Co-op coordinator. A student who is terminated for any reason other than the employer's business conditions will receive an F grade in Co-op and, in addition, may be subject to academic sanctions as well as disciplinary action in accordance with the Code of Student Conduct.

The university is not liable for any accident or injury involving a Co-op student. However, it is the responsibility of the student to see that any serious accident or injury is reported, at the earliest opportunity, to the Co-op coordinator. Students are required to sign and abide by the policies and procedures set forth in the Cooperative Education Student Agreement provided in the Co-op seminar.

Salary

In general, students are classified as temporary full-time employees and are paid on an hourly basis while on Co-op. Pay rates vary according to employer and location.

Length of Employment

In order to be eligible to receive the Bachelor of Science degree, all candidates must have completed three cooperative semesters.

Course Enrollment During Co-op

In general, academic coursework is not allowed during the Co-op work period. In some instances, with approval, a student may enroll for academic coursework not exceeding four semester hours during any Co-op period. Approval will be given only for academic coursework that is taken outside normal working hours (8:00 – 5:00) and which does not interfere with the co-op work assignment. Permission to take a course must be obtained prior to the beginning of the co-op period. Request forms are available from the Engineering Office of Student Success.

Evaluation and Academic Credit

Co-op students are graded on a pass/fail basis and earn one semester hour of credit for each completed co-op, for a total of three semester hours. At the conclusion of a co-op semester, each student is evaluated by the appropriate employer representative. The report will be reviewed

and approved by the co-op coordinator and faculty in the student's major department.

Advanced Standing Credit

Advanced Standing credit for co-op may be awarded upon approval of the department chair, the Director of Co-op and Career Development and the Associate Dean for Academic Affairs. Students who performed full-time work of a technical nature before entering Speed School and students who have had military experience are eligible. A letter is required from the employer verifying the dates and the nature of the employment. In the case of military experience, veterans may submit a copy of their separation form in lieu of the employer's letter. Students who participate in ROTC or military summer camp may receive credit for one co-op (1 hour).

Forms for advanced standing credit are available from the Engineering Office of Co-op and Career Development. Part-time work or work performed subsequent to entering Speed School will not qualify for advanced standing credit. If the work, however, was comparable to a co-op assignment and was performed during a semester in which the student was enrolled for no more than four semester hours, then the student may be eligible, upon approval, for back registration. The student must pay tuition for the one credit hour of coursework, as well as the co-op course fee, and will be expected to fulfill normal course requirements for co-op, including submission of a co-op report and employer evaluation.

Employment Opportunities

Securing a co-op position is affected by general economic conditions and particular employer specifications. Therefore, the University cannot guarantee employment. However, every effort will be made to assist students in finding cooperative assignments appropriate to their specialization and personal preference. Students who obtain their own co-op employment must have the approval of the cooperative education coordinator and are subject to the policies and procedures stated herein and the Cooperative Education Student Agreement.

Waiver Policy

When a student experiences extreme difficulty in obtaining a suitable co-op position, that student may seek an administrative waiver from the department chair and the Director of Career Development. Waiver recipients are required to complete a minimum of three semester hours of additional courses for each cooperative period waived. The three semester hours must be in addition to courses required for the baccalaureate degree and must be approved by the department chair.

International Students Exemption

A student who holds a student visa is exempt from the mandatory cooperative education requirement. Student visa holders are required to complete a minimum of three semester hours of additional courses for each co-op. The three semester hours must be in addition to courses required for the baccalaureate degree and must be approved by the department chair.

Graduate Career Employment

Graduating students and alumni should register with the Engineering Co-op and Career Development Office for job search assistance. On-campus interviews, individual counseling, and group information sessions are conducted throughout the year.

Extramural Examinations

Advanced Placement Examinations of the College Board

In accordance with Kentucky Senate Bill 74 (lrc.state.ky.us/recarch/02rs/sb74.htm (<http://www.lrc.state.ky.us/recarch/02rs/sb74.htm>)), the University of Louisville awards credit for scores of 3 on all Advanced Placement Examinations of the College Board. A higher score may be required to receive credit for specific courses within certain disciplines. Elective credit will be awarded for Advanced Placement Examinations not listed or for scores of 3 when a higher score is required for specific course credit. Scores should be submitted to the Office of Admissions as soon as they are available.

Advanced placement scores and course equivalencies (<http://louisville.edu/admissions/apply/test-credit/ap-credit>) are available from the Office of Admissions.

For more information go to: louisville.edu/admissions/apply/test-credit/ap-credit

College-Level Examination Program of the College Board

UofL awards credit on the basis of the College Level Examination Program (CLEP) administered by the College Board. CLEP examinations may be taken at any national test center, including the University of Louisville Testing Service. Prior arrangements with the testing center must be made, and there is a fee for the general examination and for each subject examination. A CLEP Bulletin of Information for candidates may be obtained from most testing centers, or by writing the following address:

CLEP
Box 1821
Princeton, New Jersey 08540.

Scores obtained should be sent to the Office of Admissions.

Areas of study, the amount of credit allowed, and minimum scores (<http://louisville.edu/admissions/apply/test-credit/clep-credit>) are determined by the Office of Admissions. Credit earned through CLEP does not count as credit earned in residence at the University of Louisville. For more information go to louisville.edu/admissions/apply/test-credit/clep-credit

International Baccalaureate

The university awards academic credit to entering freshmen who have completed the International Baccalaureate (IB) Program. Credit will be awarded for most IB Higher or Standard Level exams completed with a 5 or higher.

Scores and course equivalencies (<http://louisville.edu/admissions/apply/test-credit/ib-credit>) are available from the Office of Admissions.

For more information go to louisville.edu/admissions/apply/test-credit/ib-credit

Foreign Language Advanced Standing

Students who wish to continue the study of a foreign language begun in high school must take placement examinations in order to be placed at the appropriate level. To receive university credit for language study completed at the high school level, the placement examination is required before attempting university language study.

The placement exam is administered online and can be completed at modernlanguages.louisville.edu/spanishfrenchexam.php.

The placement tests may not be used to earn credit if the student already has received college- or university-level credit in that language elsewhere or has enrolled in a course in that language at this university.

When a student places into a course numbered higher than 121, credit toward graduation will be awarded for those elementary or intermediate courses by-passed only if the student completes successfully the language class into which s/he is placed.

A student placing in the 300 level will receive 12 hours of P/Pass credit for courses numbered 121, 122, 123, or 221 (depending on the language) upon successful completion of a 300-level class in the language¹. Any credit earned by placement testing will be posted on the student's record only after completion of a regular semester of full-time study (or 12 semester hours) at the University of Louisville. Students should not enroll for credit in a course they have successfully bypassed through examination.

A student who has earned college credit for work done in high school may choose whether to use that credit -or- the credit earned through the placement examination program described above. These regulations also apply to Metroversity students.

For foreign students whose previous academic work has been in a language other than English, the foreign language requirement for graduation will be waived automatically. No credit will be granted for 100- or 200-level language courses to any student for whom that course is his/her native language. Students may obtain credit for courses in linguistics, culture or literature numbered 300 or above in their native language by extramural examination or by taking the courses.

For information about placement examinations in American Sign Language, contact:

Coordinator of the Interpreter Training Program
300 Robbins Hall
Louisville, KY 40292
(502) 852-4607

¹ Eighteen hours of credit by placement are available in Spanish for students who test into SPAN courses 321, 322, or 355.

Auditing Courses



Audited courses do not earn credit, although the transcript will indicate that the course was taken as an audit. Because audit status is offered only on a space-available basis, students may not register for a class in

an audit status during early registration, nor may a student change from graded to audit status during that period.

Students may register for classes in audit status during regular registration and then only with the written approval of the instructor of the course. Not all instructors allow auditors. Work expectations of auditors can vary across courses and instructors, and the specific work expectations that will warrant the audit designation on the transcript should be confirmed with the instructor facilitating the course. Auditors who do not fulfill the work expectations may be withdrawn from the course with a grade of W noted on the transcript.

Students who have registered in audit status will not receive credit for the course unless their registration has been changed officially from audit to credit by the published deadline for such a change. Students are allowed to change from audit to grade status or from grade status to audit status at any time from the beginning of regular registration through the last day to add a class with approval from the course instructor. Students are advised that such approval is the instructor's prerogative, subject to completion of course prerequisites, and that audit status may have implications for financial aid eligibility.

Any change of status must be submitted on a Drop/Add and Grade Type Change Form and turned in to the Registrar's Office by the deadline. Students admitted to the unit as Auditors are not eligible to take courses for credit and may not change their class registration from audit to credit.

Students are cautioned that auditing a class cannot substitute for taking the course for credit if that course is part of the credit hour requirement for graduation, including both college-wide and major requirements. Any required course taken as audit must be retaken for credit in order to be counted toward a degree. Students are advised to consult with their academic advisor to determine if registration in audit status is appropriate. Students may enroll for credit in any course which was taken for audit, in a semester subsequent to the semester when the course was audited, provided those students have been admitted to the unit on a basis that confers eligibility to take courses for credit. If students take a course for both audit and credit, the transcript will show both entries.

Course Load



University Policies: Course Load

All baccalaureate degree programs require at least 120 credit hours, but more may be required in some programs. A typical schedule in the fall and spring semesters is 15 semester hours, but may vary by semester and program from 12 to 18 hours. Some programs also have planned summer loads.

Students may need to prove full-time/half-time status in order to be eligible for dependent insurance and to defer repayment of some loans, among other reasons. Definitions of full-time/half-time are defined according to federal government regulations for financial aid recipients. Students will be certified as full-time if registered for 12 or more hours in any semester, including summer. Cooperative internships also qualify for full-time status in some units. For half-time status, students must be registered for a minimum of 6 hours during any semester, including summer.

Students in good standing typically may take no more than 18 hours in the fall and spring semesters. Under special circumstances, students who have completed a minimum of 30 hours at UofL and who have a cumulative grade point average of at least 3.0 may request permission through their advising center to take an overload. For the summer semester students are limited to 4 hours in the three-week summer session and 7 hours during each of the five-week summer sessions. Typically, there are no overloads for summer, though overload approvals may vary by unit. Permissions are handled by procedures determined by the Dean's office in each unit, and some units may accept petitions for course overloads above those listed above.

Students on academic warning or probation and students admitted in conditional status are limited to 13 hours during the fall and spring semesters and to a total of 10 semester hours during the summer sessions.

Unit-Specific Policies

In addition to the university-wide policies regarding Course Load, students may be subject to the unit-specific requirements listed below.

College of Arts and Sciences

Students with less than 30 hours at UofL and a cumulative grade point average of at least 3.5 may petition to take more than 18 hours. Students with a 3.0 grade point average at the University of Louisville may petition to take up to nine hours in a five-week session, but are still limited to a maximum of 18 hours in the summer semester.

College of Business

Full-time status in the COB can also be met by being registered for 3 credit hours of approved COB Co-op in a given semester. Co-op credit hours count toward the total hours taken. All COB students considering COB Co-op should evaluate course loads in terms of individual needs and plan accordingly with the assistance of an academic advisor. Other academic course load during a Co-op semester should be severely limited. Students should check with their financial aid lending institution when considering the impact of COB Co-op on financial planning for semesters involving co-op work.

Students on academic warning and probation are also restricted to no more than one course per summer term.

Note: The College of Business reserves the right to administratively withdraw students from courses based on academic policies.

College of Education & Human Development

The maximum load for the summer semester is 15 semester hours.

Kent School of Social Work

The maximum load in summer sessions is 3 semester hours for the first term and 6 semester hours in the second and third terms. Students should note that the Kent summer term, if taking social work electives, extends across all three summer terms and should work with their advisor to determine their summer load.

Students on academic warning and probation and students admitted on limited load are limited to 13 hours during the fall and spring semesters and to a total of 12 semester hours during the summer session.

School of Music

Overload students in the School of Music may not exceed 20 credit hours per semester. A petition will be required for each semester of overload request.

School of Music students on probation are limited to a maximum of 14 credit hours per semester and students admitted in conditional status to a maximum of 14 credit hours. No overloads will be approved while a student remains in such status. Summer session enrollments will be limited to a maximum of 4 credit hours for three-week terms and 7 credit hours for five-week terms.

Speed School of Engineering

Students may take a maximum of 18 credit hours each fall and spring semester and 13 credit hours in the summer term. In special circumstances during fall and spring semesters, students may register for 19 credit hours with permission from the Associate Dean for Academic and Student Affairs.

Students on either academic warning or academic probation status are limited to no more than 13 credit hours during fall and spring semesters and 7 credit hours during the summer term.

Pass/Fail



Undergraduate students in good academic standing may enroll in one undergraduate course each semester on a pass/fail basis, provided that the course is not used to meet a general education requirement, a programmatic requirement, a prerequisite requirement for admission to a degree program, or a foreign language requirement for a degree program. If the course is letter-graded, the instructor's agreement (signature) must be secured by students for pass/fail grading to be applied to the course, and the student's enrollment unit must approve the request.

Courses completed on a pass/fail basis will not be assigned any quality points, but credit will be given if the grade assigned is a P. If the grade

assigned is F it will be calculated as such in the student's grade point average.

No changes from letter grade to pass/fail, or vice versa, may be made after the university deadline to withdraw from a course.

No letter-grade equivalent for a P grade will be assigned or reported. This policy will not apply to courses taught only on a pass-fail basis, such as some internship and field experience courses.

Registration



Students may register for courses during the priority early registration period before the beginning of the semester. A student's first opportunity is based on classification and alphabetic rotation. The early registration period is then followed by regular and late registration. The registration calendar for any term is published online by the office of the registrar.

Initial registration and any later registration changes are usually completed by students through the registration link of the ULink online portal (<https://ulink.louisville.edu>).

Initial registration must be completed by the date announced by the registrar, typically the Friday of the first week of classes. Students may make adjustments to their course schedule until the end of the first week for regularly scheduled fall and spring courses. For summer courses and courses with atypical duration, the last date to adjust schedules is specified by the registrar in the official registration calendar. This last day to adjust schedules is referred to as the last day to drop/add.

Students may *add* courses to their schedules until the last day to drop/add. No signature or other authorization is required if the added course is open for enrollment, if students meet all course prerequisites, and if such additional courses do not raise the students' credit#hours for the term above the maximum allowed by the students' enrollment unit or academic standing. If the addition increases the tuition cost for the semester, the additional payment must be settled with the university bursar by the last day to drop/add.

Students can place their names on the *waitlist* for a course that is closed.

Students are automatically moved from the waitlist to registration in the course as spaces open until the end of the first week of classes.

Students may add their names to the waitlist until the third day of classes for regularly scheduled fall and spring courses, and the first day of classes for summer courses.

Students may *drop* a course from their schedule until the last day of drop/add. Courses that are dropped during the regular registration period are not listed on the transcript. Students should consider how dropping a course will affect their progress toward their degree and their financial aid eligibility. Students who stop attending a class but fail to complete

the drop process, regardless of the date when they stopped attending the course, will be given the grade of F for the course.

Students who wish to enroll in concurrent courses at another institution should consult their academic advisor before registration to secure a visiting student letter, and to ensure proper enrollment and recording of courses. Students in good standing who have earned a minimum of twelve hours may be able to cross-register at other universities in the Kentuckiana Metroversity consortium. Cross registration is permitted on a space-available basis at the discretion of the member institutions. The combined program of work in all institutions may not exceed the maximum course load permitted for students at the University of Louisville. Failure to follow these guidelines may result in loss of credit or in ineligibility to transfer the credits from the other schools toward the requirements for graduation.

Repeating Courses



Students are allowed to repeat a course only once, with the most recent grade counting for grade point average calculation and towards degree requirements. Students are advised to weigh carefully the tradeoff between 1) possibly improving their academic standing by repeating a course and earning a higher grade, and 2) the investment of time and money in repeating courses.

Students may petition to repeat a course more than once through a process determined by each academic unit.

Although all grades are displayed on the official transcript, repeated courses cannot receive double credit in hours required for the degree and count only once toward graduation.

Students may only receive federal and state financial aid funds one time for retaking previously passed coursework. Students should speak with a financial aid advisor about the impact on financial aid before making the decision to repeat a course that was previously passed.

Undergraduate and Graduate Courses



Course Numbering

University of Louisville undergraduate students typically take courses at the 100 through 400 level. Courses numbered below the 100 level are not used in calculations of earned hours or the university grade point average. Courses numbered at the 100 and 200 level are primarily for freshmen and sophomores, and such courses generally contain introductory or basic material. Courses numbered at the 300 and 400 level are primarily for juniors and seniors, and such courses generally contain advanced undergraduate material.

Courses at the 500-level may be open to both advanced undergraduate and graduate students. Courses numbered at the 600-level and above are for graduate students only. Undergraduate students requesting to enroll in a 500-level course for graduate credit or in a 600-level course may do so only with special permission of the instructor in the course and the dean of the student's enrollment unit, be registered for at least one undergraduate course, have earned at least 60 credit hours of coursework at the undergraduate level, and have a cumulative GPA of at least 3.0. A maximum of nine (9) credit hours of graduate coursework may be applied to the undergraduate degree. Such graduate level courses will satisfy requirements toward the undergraduate degree and therefore cannot be used for subsequent graduate credit.

In rare cases, undergraduate students at the University of Louisville who are within six (6) semester hours of completing the baccalaureate requirements and who are enrolled in a graduate course may obtain graduate credit at the University of Louisville. This can only occur if the course has not been used to satisfy part of the baccalaureate requirements, and if the chair of the department involved and the unit dean approve.

Accelerated Bachelor's/Master's Option

Undergraduate students enrolled in accelerated programs are eligible to register for graduate-level coursework. Students must apply for admission to the program no later than the end of their junior year to be eligible enroll in graduate coursework in their final year of the program.

The student may take a maximum of nine (9) credit hours for graduate credit, which will also apply to the requirements for the baccalaureate degree. Those nine (9) credit hours of graduate credit must be transferred to the student's graduate record after the student completes one semester as a graduate student.

See specific degree programs for further requirements.

Prerequisites

Students must have completed the proper prerequisites to register for any course. It is the student's responsibility to know the prerequisites for a course by checking the course description section of the online university undergraduate catalog. While some of these courses are open to all students enrolled in the University of Louisville, many are restricted to students in certain programs.

Administrative Withdrawal and Course Cancellations

The dean's office in each unit reserves the right to administratively withdraw students from courses based on academic policies.

The units also reserve the right to cancel without prior notice any courses listed in the Schedule of Classes, and to cancel any course that does not have an adequate enrollment at a reasonable time during the registration period for the semester. The university attempts to provide all courses required for graduation frequently enough to ensure that no student's degree will be delayed by course unavailability, but the university cannot guarantee that such delay will not occur.

Withdrawals



Students may *withdraw* from courses after the drop/add period up until the withdrawal deadline. A grade of W (withdrawal) will be posted to students' transcripts. The hours count as attempted hours but do not count as earned hours, and the grade will have no effect on the students' grade point averages. Students withdraw by using the registration link of the ULink online portal. No signature or other authorization is required if the change is made by the withdrawal deadline, but students should consult with academic and/or financial aid advisors to understand how withdrawing from a course will affect their academic plan status, their progress toward their degree, and their financial aid eligibility.

The withdrawal deadline for each semester is specified in the official registration calendar. The deadline typically occurs shortly after mid-term.

Students who stop attending class without withdrawing will be given the grade of F for the course.

Students who make a *complete withdrawal* from all courses for a particular semester should contact their academic advisor to seek alternative solutions and/or to improve the possibility of returning to the university at a later date. A complete withdrawal must be processed in accordance with the procedures established by the academic unit.

In exceptional circumstances, students may petition for a *late withdrawal* after the withdrawal deadline. Students who intend to continue in other courses during the semester must petition the course *instructional unit* (the academic unit in which the course is taught). Students who intend to withdraw from all courses for which they are registered (*late complete*

withdrawal) must petition their *enrollment unit* (the academic unit in which they are enrolled for their degree work). Proper documentation of the exceptional circumstances must accompany the petition for a late complete withdrawal. The enrollment unit shall request and consider all instructors' recommendations in deciding on the petition for a late complete withdrawal. Students should contact the advising office in the appropriate unit for guidance in the petition process.

Compassionate Withdrawal

Students may request and be considered for a *compassionate withdrawal* when extraordinary circumstances prevent students from continuing in classes or completing academic requirements. If students are gravely incapacitated, the request may come from the student's spouse, family or legal surrogate. The office of the dean of students will gather necessary documentation to show that the situation is incapacitating. Such situations cover both physical and mental health issues, serious illness or injury, and extraordinary personal reasons. The office of the dean of students will review and evaluate the compassionate withdrawal request and take follow-up action to refer the case to the appropriate officer (e.g., unit dean) for review and decision.

The Office of the Dean of Students will coordinate the process with the unit dean's designee. An academic withdrawal does not remove a student's financial responsibility for his/her educational expenses. Students are responsible for payment of any outstanding charges including, but not limited to tuition, fees, parking, housing and other expenses, after the academic withdrawal is granted. The Office of the Dean of Students will assist with the identification and completion of all necessary business processes.

Withdrawal Effective Date

The effective withdrawal date is the date on which the withdrawal is processed in the student records system. This date is used in calculating any applicable tuition reduction. When students officially withdraw from any course or courses for which hourly rates apply, tuition will be adjusted at the following ratios for regularly scheduled fall and spring classes:

Tuition Charge/Credit	Withdrawal Date	Fees Refunded
0% charge/100% credit	Drop during first week of semester	100% fees
50% charge/50% credit	Withdrawal during second or third week of semester	0% fees
75% charge/25% credit	Withdrawal during fourth week of semester	0% fees
100% charge/0% credit	Withdrawal after fourth week of the semester	0% fees

Summer courses and some fall and spring semester courses vary in length and the percentage of refunds is modified. Refund deadlines for special terms and courses are listed in the online Registration Information (<https://louisville.edu/registrar/registration>).

Course fees (as opposed to tuition) are refundable only with 100% credit.

Student Success Policies



Information on policies related to student success at the University of Louisville can be found on this page or by clicking on the following links to topic-specific pages:

- Academic Forgiveness (p. 66)
- Academic Fresh Start (p. 67)
- Academic Standing (p. 67)
- Class Attendance (p. 70)
- Dean's List and Scholars (p. 71)
- Final Examinations (p. 71)
- Grading (p. 71)
- Incompletes (p. 72)

These policies are effective for Academic Year 2019-2020 (Summer 2019 semester). Students enrolled in a term before this effective semester should consult with an advisor in their enrollment unit (<http://louisville.edu/advising/centers>) if they feel that they are disadvantaged by any change from previous policies.

Previous catalogs are available via the archive page of this catalog (p. 854).

Academic Forgiveness

Academic Forgiveness allows currently enrolled students or students who are eligible to re-enroll without seeking readmission to request the adjustment of their records for one or more continuous entire semesters of previous college work. If the appropriate committee within the students' enrollment unit or the unit in which they seek to re-enroll finds there are extenuating circumstances that warrant such action, the committee may rule the students eligible for academic forgiveness. The committee will approve petitions only if future academic success seems plausible, with the expectation that such forgiveness should typically have a positive effect on persistence toward eventual graduation.

Forgiveness will only be applied to the record after the successful completion of at least 12 hours after the last term for which forgiveness is to be requested. The 12 hours should be in degree applicable courses with the necessary semester grade point average designated by their enrollment unit. After these 12 hours have been attempted, students may petition the appropriate committee for academic forgiveness, designating the semester or consecutive sequence of semesters to which the forgiveness process is to apply. If approved, all course grades and credit hours for the forgiven semesters will be voided. Students may not be granted academic forgiveness more than once.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations, but will remain on the students' transcript. Academic actions, such as probation or dismissal, recorded at the end of the voided terms, will also remain. While forgiven course grades are removed from the calculation, the course work does remain a part of the students' permanent record and the forgiven work may be considered for financial aid, NCAA purposes, and may be evaluated if applying for honors or graduate study.

Academic forgiveness is an internal policy. The University of Louisville cannot guarantee how the work will be viewed by another university should students choose to transfer. Students considering this option are strongly encouraged to consult with their academic advisor for guidance.

Academic Fresh Start

Students who are re-admitted to the university after an absence of two or more years may request a Fresh Start. Students must take at least 30 hours of course work at the University after re#admission and before graduation for Fresh Start to be applicable. Students are eligible for only one Fresh Start. Students who have earned a baccalaureate degree from the University are not eligible for Fresh Start.

If the Fresh Start is approved by the university, students resume an academic program with no cumulative grade point average from the prior enrollment. All courses taken remain on the permanent record. Courses with passing grades are counted for credit and may be used to satisfy program requirements.

Students may be required to retake courses from academic terms covered by Fresh Start if the content-currency or major-GPA rules of a degree program, department or unit so dictate. Students will be notified at the time of readmission of any additional requirements to be fulfilled in remedying these conditions.

Although Fresh Start affects cumulative grade point average, it has no impact on earned and attempted hours. All courses taken at the university will still be used for financial aid. Financial aid recipients will still have to adhere to the Satisfactory Academic Progress (SAP) policy administered by the Student Financial Aid Office. Students who are granted a Fresh Start are not automatically cleared of any SAP issues. If interested in submitting a SAP appeal, students should contact the Student Financial Aid Office.

Courses taken under the repeat-to-replace option during the period covered by a Fresh Start will not be counted against the maximum repeats allowed under university policy. Financial aid for repeat courses is calculated according to federal regulations.

For the purposes of scholastic action and advising, students are initially assigned to the same academic standing as when they last attended the university. Thereafter, students are subject to the conditions of probation, suspension and dismissal that govern all students. GPA calculations for graduation honors follow the rules established by the students' enrollment unit.

Academic Standing

Decisions involving academic warning, probation, suspension, dismissal and readmission are made by each academic unit. These decisions are based on the university's undergraduate grade point average (UGPA) and the program grade point average (PGPA). The unit notifies students after the end of each semester if their status changes. Notifications of such

academic actions are officially made through the student's university email account.

Undergraduate students are in good standing when they have a cumulative UGPA of at least 2.00 and a cumulative PGPA greater than the program requirement. Each unit determines their own program requirements.

After the first 12 degree-applicable semester hours at the University, students who have either a cumulative UGPA below 2.00, or a cumulative PGPA below the program requirement, will be placed on academic warning. Such students will be notified and strongly encouraged to seek assistance from their advising center.

In any semester subsequent to an academic warning, students whose cumulative UGPA falls below 2.00, or cumulative PGPA falls below the program requirement, will be placed on academic probation for the next semester of enrollment. Academic probation is considered a serious warning that students are making unsatisfactory progress toward completion of the academic requirements for a particular degree program. Students on academic probation may be ineligible to hold office in campus organizations, to go out on co-op, internship, or clinical assignments, or to represent the school or the University in any official capacity.

Students on academic probation shall be removed from that standing at the end of the first subsequent semester in which they achieve a cumulative UGPA of at least 2.00 and a cumulative PGPA greater than the program requirement. Such students will return to good standing. Students on academic probation shall be placed on academic suspension at the end of the first subsequent semester in which their semester UGPA falls below 2.00, or semester PGPA falls below the program requirement.

Students on academic suspension are not permitted to enroll for at least one program semester. During this period, individuals should seriously reexamine their previous accomplishments in terms of their chosen career objectives. After one semester, students who believe that a reasonable opportunity for future successful performance exists may petition the unit's committee for re-admittance. The petition must be received no later than July 1 for readmission for the fall semester, November 1 for the spring semester, and May 1 for the summer terms. Students who are granted reinstatement will be readmitted on academic probation. Readmission of suspended students is not guaranteed.

Students will not be reinstated more than twice; the third suspension is an academic dismissal. Students academically dismissed can only return through special permission from the enrollment unit. Students who are suspended or dismissed are eligible to apply for admission to another unit and may be admitted if they meet minimum unit admission standards. Students admitted to another unit may not enroll in any courses in the unit from which they were dismissed, with the exception of courses needed to complete general education or other degree requirements offered only by the unit from which they were dismissed.

Class Attendance

The academy requires student participation in the learning process, measurement of student progress, and the fulfillment of basic course requirements. Faculty members will provide students in their classes with clear syllabi, including attendance requirements and dates for required measurements or field experiences. Attendance policies should allow excused absences for university-sanctioned events. Although each college, school, or academic unit of the University of Louisville creates

its own regulations concerning class attendance, all units hold students responsible for materials covered, lectures given, papers due, exams scheduled, or other evaluative measures administered.

Because the university recognizes that educational experiences extend beyond the classroom and campus, faculty must be flexible with students acting as official representatives of the university or participating in university-sanctioned events or activities that require absence from class. A university sanctioned event or activity shall be one in which a student represents the university to external constituencies in academic or extra-curricular activities. These include but are not limited to student government congresses, intercollegiate athletic and debate contests, music competitions, academic meetings, and conferences. The deans, the student government association, or faculty sponsors of recognized student organizations may petition the provost to designate other specific events as university-sanctioned.

When students' participation in university-sanctioned events or activities requires them to be absent from a class (or classes) during which an examination or other measurement of academic progress is scheduled, faculty will provide students with opportunities to be evaluated at other times and by comparable alternative evaluation methods within a reasonable period of time before or after the absence. Students are responsible for material covered or work assigned in any class for which they have been provided an excused absence.

Dean's List and Scholars

Students who complete twelve or more graded credits in one semester are eligible for the Dean's List and designation as a Dean's Scholar. The following distinctions are made:

Dean's List: UGPA 3.5 and above, with no grades of I, X, U, or C-minus or below

Dean's Scholar: UGPA = 4.0, with no grades of I, X, or U

Developmental courses (courses below 100 level) and grades of P are not prohibited in Dean's List or Dean's Scholar qualifications but cannot be used to meet the graded-credits minimum requirement. Any petitions arising from unusual circumstances (such as part-time status) should be filed with the students' advising center within two weeks of the beginning of the next term of enrollment.

Final Examinations

Comprehensive final examinations may be administered only on the date and time prescribed in the online university final exam schedule. Comprehensive examinations may not be given on the last regular day of class or during the reading period. Examinations which cover a limited portion of the course work may be given during the last regular class period. Students must be notified of the type of examinations to be given in the course as well as each examination's percentage of the course grade. This information, along with scheduled dates and times, should be included in the course syllabus.

The comprehensive final examination in a course should be given as scheduled and not at other times, even if the faculty member and all students in a course agree to such a change. However, students who have more than two exams in one calendar day, or two examinations at the same time, may reschedule. Students should contact the instructors as early in the semester as possible, no less than one week prior to the last class meeting, to resolve any scheduling issues. If a resolution

cannot be reached, students should contact their advising center. The dean's office is responsible for enforcing the final exam policy and resolving any conflicts or issues.

Grading

The university awards letter grades that are translated into quality points to determine a grade point average. The "+/-" ("plus/minus") grading system may be used by instructors to help students understand their performance more accurately. Under this system, quality points are assigned as follows:

A+ = 4.0	A = 4.0	A- = 3.7
B+ = 3.3	B = 3.0	B- = 2.7
C+ = 2.3	C = 2.0	C- = 1.7
D+ = 1.3	D = 1.0	D- = 0.7
F = 0.0		

The grade A+ is given for extraordinary work and appears on the transcript with the "plus" qualification, but it awards no additional quality points.

The grade F means not passing and earns neither semester hours toward graduation nor quality points; however, the number of semester hours attempted is computed into the point standing, so that an F has a negative effect on the point standing. All missing grades change to failing grades one year after the completion of the semester in which the course was taken.

Other letter grades, all of which do not enter into the point standing, include the following:

AU means Audit.

I means Incomplete Work.

P means Passing.

S and U mean Satisfactory and Unsatisfactory.

W means Withdrew.

X means No Basis for Grade.

For a course taken on a pass-fail basis a grade P is given for achievement equivalent to the standards for the grades A through D in the same course and earns the designated number of semester hours toward graduation. For courses using S and U, an S will earn semester hours, but those hours may not be counted toward the minimum number of hours required for graduation or a degree. The grade X is available only for graduate level courses for which the work is not yet finished due to the nature of the study.

The university's undergraduate grade point average (UGPA) is determined by dividing the total number of quality points earned by the total number of semester hours attempted with earned grades. The UGPA takes into account all undergraduate course work taken at the university, except that courses numbered below the 100 level will not be used in the earned hours or UGPA calculations. Grades and quality points earned at other institutions are also not incorporated into the UGPA.

A program GPA is calculated by including only those courses used to satisfy degree requirements. Courses for which transfer credit has been awarded are not included in the calculation. The program GPA is used for determination of honors and satisfaction of degree requirements.

Incompletes

Students unable to complete course work because of conditions beyond their control may be granted the grade I, which stands for Incomplete, so that the work can be completed after the end of the semester. Such conditions include hospitalizations, death in immediate family, and prolonged sickness. The grade I may not be used solely to extend the available time in a semester for students who fall behind for reasons under their control.

The grade I may be assigned at the discretion of the course instructor if all of the following conditions are met:

The majority of the course work was completed prior to the end of the semester;

The student is in good standing to pass the course upon successful completion of the remaining work;

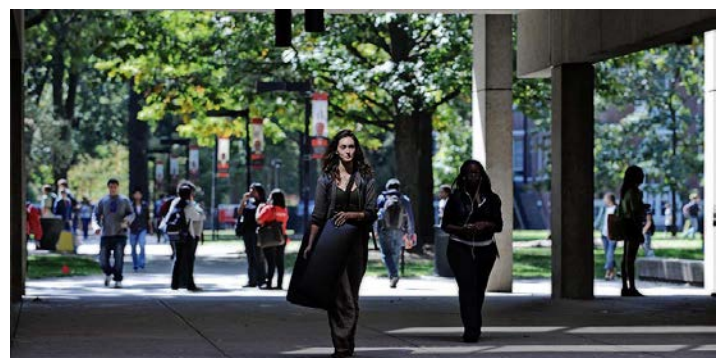
The final portion of the course work could not be completed for reasons beyond the student's control.

If requested to do so, the student must supply the instructor with documentation of the extenuating circumstances. The instructor is encouraged to provide to the student a written statement of the expectations and requirements for completing the course work.

Students must complete the course work no later than the last day of classes for the next regular fall or spring semester. If the work is completed by the deadline, the instructor submits a change of grade from I to the letter grade earned. The change of grade form must be submitted by the instructor to the registrar's office by the last day to submit grades for the semester when the student's completed coursework was due. Failure of the student to complete the work by the deadline will result in an automatic change of grade from I to F unless the dean's office grants an extension.

Students may not graduate with an I grade on the transcript. Students with an incomplete should not register again for the course. An I carries no quality points until it is changed to a letter grade.

Academic Forgiveness



Academic Forgiveness allows currently enrolled students or students who are eligible to re-enroll without seeking readmission to request the adjustment of their records for one or more continuous entire semesters of previous college work. If the appropriate committee within

the students' enrollment unit or the unit in which they seek to re-enroll finds there are extenuating circumstances that warrant such action, the committee may rule the students eligible for academic forgiveness. The committee will approve petitions only if future academic success seems plausible, with the expectation that such forgiveness should typically have a positive effect on persistence toward eventual graduation.

Forgiveness will only be applied to the record after the successful completion of at least 12 hours after the last term for which forgiveness is to be requested. The 12 hours should be in degree applicable courses with the necessary semester grade point average designated by their enrollment unit. After these 12 hours have been attempted, students may petition the appropriate committee for academic forgiveness, designating the semester or consecutive sequence of semesters to which the forgiveness process is to apply. If approved, all course grades and credit hours for the forgiven semesters will be voided. Students may not be granted academic forgiveness more than once.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations, but will remain on the students' transcript. Academic actions, such as probation or dismissal, recorded at the end of the voided terms, will also remain. While forgiven course grades are removed from the calculation, the course work does remain a part of the students' permanent record and the forgiven work may be considered for financial aid, NCAA purposes, and may be evaluated if applying for honors or graduate study.

Academic forgiveness is an internal policy. The University of Louisville cannot guarantee how the work will be viewed by another university should students choose to transfer. Students considering this option are strongly encouraged to consult with their academic advisor for guidance.

Academic Fresh Start



Students who are re-admitted to the university after an absence of two or more years may apply for a Fresh Start (<http://louisville.edu/admissions/apply/transfer/admissions/app-resources/fresh-start-application>), i.e., may request that the university reset the student's cumulative grade point average and hours earned during the period of previous residency.

Students must take at least 30 hours of coursework at the University after re#admission and before graduation for Fresh Start to be applicable.

Students are eligible for only one Fresh Start. Students who have earned a baccalaureate degree from the University are not eligible for Fresh Start.

If the Fresh Start is approved by the university, students resume an academic program with no cumulative grade point average from the prior enrollment. All courses taken remain on the permanent record. Courses

with passing grades are counted for credit and may be used to satisfy program requirements.

Students may be required to retake courses from academic terms covered by Fresh Start if the content-currency or major-GPA rules of a degree program, department or unit so dictate. Students will be notified at the time of readmission of any additional requirements to be fulfilled in remedying these conditions.

Although Fresh Start affects cumulative grade point average, it has no impact on earned and attempted hours. All courses taken at the university will still be used for financial aid. Financial aid recipients will still have to adhere to the Satisfactory Academic Progress (SAP) policy administered by the Student Financial Aid Office. Students who are granted a Fresh Start are not automatically cleared of any SAP issues. If interested in submitting a SAP appeal, students should contact the Student Financial Aid Office.

Courses taken under the repeat-to-replace option during the period covered by a Fresh Start will not be counted against the maximum repeats allowed under university policy. Financial aid for repeat courses is calculated according to federal regulations.

For the purposes of scholastic action and advising, students are initially assigned to the same academic standing as when they last attended the university. Thereafter, students are subject to the conditions of probation, suspension and dismissal that govern all students. GPA calculations for graduation honors follow the rules established by the students' enrollment unit.

Academic Standing



University Policies: Academic Standing

Decisions involving academic warning, probation, suspension, dismissal and readmission are made by each academic unit. These decisions are based on the university's **undergraduate grade point average (UGPA)** and the **program grade point average (PGPA)**. The unit notifies students after the end of each semester if their status changes. Notifications of such academic actions are officially made through the student's university email account.

Undergraduate students are in **good standing** when they have a cumulative UGPA of at least 2.00 and a cumulative PGPA greater than the program requirement. Each unit determines their own program requirements.

Academic Warning, Academic Probation, and Academic Suspension

After the first 12 degree-applicable semester hours at the University, students who have either a cumulative UGPA below 2.00, or a cumulative PGPA below the program requirement, will be placed on **academic warning**. Such students will be notified and strongly encouraged to seek assistance from their advising center.

In any semester subsequent to an academic warning, students whose cumulative UGPA falls below 2.00, or cumulative PGPA falls below the program requirement, will be placed on **academic probation** for the next semester of enrollment. Academic probation is considered a serious warning that students are making unsatisfactory progress toward completion of the academic requirements for a particular degree program. Students on academic probation may be ineligible to hold office in campus organizations, to go out on co-op, internship, or clinical assignments, or to represent the school or the University in any official capacity.

Students on academic probation shall be removed from that standing at the end of the first subsequent semester in which they achieve a cumulative UGPA of at least 2.00 and a cumulative PGPA greater than the program requirement. Such students will return to good standing. Students on academic probation shall be placed on **academic suspension** at the end of the first subsequent semester in which their semester UGPA falls below 2.00, or semester PGPA falls below the program requirement.

Students on academic suspension are not permitted to enroll for at least one program semester and must withdraw from any courses for the semester in which the suspension is applied. During this period, individuals should seriously reexamine their previous accomplishments in terms of their chosen career objectives.

Readmission/Reinstatement

After one semester, students who believe that a reasonable opportunity for future successful performance exists may petition the unit's committee for re-admittance. The petition must be received no later than July 1 for readmission for the fall semester, November 1 for the spring semester, and May 1 for the summer terms. Students who are granted reinstatement will be readmitted on academic probation. Readmission of suspended students is not guaranteed.

Students will not be reinstated more than twice; the third suspension is an academic dismissal. Students academically dismissed can only return through special permission from the enrollment unit.

Students who are suspended or dismissed are eligible to apply for admission to another unit and may be admitted if they meet minimum unit admission standards. Students admitted to another unit may not enroll in any courses in the unit from which they were dismissed, with the exception of courses needed to complete general education or other degree requirements offered only by the unit from which they were dismissed.

Unit-Specific Policies

In addition to the university-wide policies regarding Academic Standing, students may be subject to the unit-specific requirements listed below.

College of Arts and Sciences

Warning, Probation, Suspension, and Readmission

Students on Academic Warning are limited to enrollment for 13 credit hours in a fall or spring semester and 10 credit hours for the summer terms.

The enrollment of students on Academic Probation will continue to be limited to a maximum of 13 semester hours in a fall or spring semester and 10 credit hours for the summer terms. Students on probation also may be subject to specified course registration requirements, or other actions deemed appropriate by the College. Students who are admitted to the College conditionally who have a grade point average below 2.0 at the end of their first semester of enrollment at the University of Louisville will be placed on Academic Probation.

Students on Academic Suspension and will be required to sit out at least one semester: students suspended after a fall semester must sit out the following spring semester; students suspended after a spring semester must sit out the following summer and fall semesters; and students suspended after a summer semester must sit out the following fall semester. Students must sit out at least one calendar year after any subsequent suspension.

College of Business

Warning, Probation, Suspension, Dismissal, and Readmission

College of Business students on academic warning or probation are subject to load limitations (see the Course Load section of this catalog) or other actions deemed appropriate by the COB. The records of students on Academic Probation will be evaluated at the end of the probationary semester with one of the following outcomes:

1. Students whose GPA for the probationary semester is 2.5 or above, but whose University GPA remains below 2.0 will be retained on Probation.
2. Students whose University GPA is still below 2.0 and who earned a semester grade point average below 2.5 will be placed on Academic Suspension and will be suspended from the COB. Suspended students are withdrawn from all 300- and 400-level COB courses.
3. Readmission of suspended students into the COB is not guaranteed.

For readmission, students must submit a written petition addressed to the College of Business Undergraduate Studies Committee and an academic plan form.

College of Education and Human Development

Academic Probation Policy

CEHD students on Academic Probation may enroll in no more than 13 semester hours in a semester (10 hours during the summer).

Students on Academic Probation must earn a 2.5 grade point average (based on degree applicable credits) in the academic probation semester to continue on Academic Probation.

Students on Academic Probation whose cumulative grade point average is below 2.25 (based on degree applicable credits) and who earn a semester grade point average below 2.5 will be placed on Academic Suspension and will be required to sit out at least one semester (summer terms excluded).

Readmission of suspended students is not guaranteed. Conditions of readmission will be up to the discretion of the College of Education Standards and Admissions Committee.

Academic Suspension

Students on Academic Probation whose cumulative grade point average (based on degree applicable credits) is below 2.25 and who earn a semester grade point average below 2.50 (based on degree applicable credits) will be placed on Academic Suspension and will be required to sit out at least one semester (summer terms excluded). Courses taken at another institution during a suspension semester may not be used if students are readmitted to the College of Education and Human Development.

Dismissal Policy

Students who are suspended the third time from the College of Education and Human Development are academically dismissed. A student who has been dismissed from the College of Education and Human Development may apply for readmission after one full year. If a dismissed student is admitted to any other college or university during that year, credits earned will not apply toward a degree granted by the College of Education and Human Development.

Kent School of Social Work

Lower Division: A cumulative GPA of 2.5 or above is required to remain in Good Standing. If a student's cumulative GPA falls below 2.5, then the student will be given a warning and will be required to meet with the BSW Program Manager for planning and oversight. If in the following semester the student's cumulative GPA remains less than a 2.5, the student will be placed on probation and an academic review will be required. A cumulative GPA of 2.5 or above in the following semester will be required to return to Good Standing. Students will be placed on suspension following probation if the cumulative GPA remains below 2.5.

Kent students must sit out at least one semester excluding summer when suspended. The student may apply to another unit.

No student will be reinstated more than once with Kent School and no more than twice with UofL. A third suspension is an academic dismissal from UofL. A written petition is required for readmission, which is not guaranteed.

Upper Division: Upper Division students will be placed on suspension following probation if cumulative GPA remains below 2.5 for three consecutive semesters.

The Associate Dean for Academic Affairs' Office will notify students at the end of each semester if academic reviews are needed, based on their GPA. Apart from reviews based on GPA, any faculty person may recommend a review for any students who are perceived to be in academic difficulty or who appear to have engaged in inappropriate conduct in violation of the National Association of Social Workers Code of Ethics, or the Code of Students Rights and Responsibilities.

If a student earns an F in a non-social work course or is on academic warning, the student is required to attend two meetings with the student advisor or BSW Program Manager, (one before mid-term to talk about strategies; one after mid-term). These meetings will not constitute academic reviews and will be documented using existing procedures for documentation of undergraduate advising sessions.

School of Music

The School of Music follows university-wide policies, except that students are in good standing when they have a minimum cumulative grade point average of 2.5.

Undergraduate students on Academic Probation are:

- limited to fourteen (14) semester hours,
- may have specified course registration requirements, and
- may require intrusive advising interventions as deemed appropriate by their enrollment unit.

A student on probation whose cumulative grade point average is still below 2.5 and who earned a semester grade point average below 2.5 may petition for continuation of probation. The petition describing the student's plan of action to return to good standing must be submitted to the Associate Dean of the School of Music.

Students who are conditionally admitted enter the university on Academic Warning and are limited during their first semester to a fourteen-hour credit load. Their admission letter will indicate whether they have one or two semesters to achieve academic good standing. A one-semester conditional period will require students to achieve no less than a 2.5 cumulative GPA by the end of the first semester, or they will be suspended from the School of Music. A two-semester conditional period will require students to achieve no less than a 2.5 cumulative GPA at the end of the first semester, or they will be placed on Academic Probation. If they do not achieve academic good standing by the end of the first year (i.e., end of the second semester) they will be suspended from the School of Music.

School of Nursing

Lower Division Progression

For Lower Division Traditional BSN program students, the School of Nursing follows university-wide policies, except that students are in good standing when they have a minimum university cumulative grade point average of 2.8.

Pathophysiology and Pharmacology

Students in the Traditional BSN Program must satisfactorily complete NURS 338 Lifespan Pathophysiology and NURS 395 Nursing Pharmacotherapeutics with a grade of C or better in order to progress to the upper division clinical cohort. If students do not satisfactorily complete both NURS 338 and NURS 395 they must retake them to be eligible to reapply to upper division to compete for an upper division clinical space.

Failure to satisfactorily complete both courses results in dismissal from the program.

Students who do not pass the following classes will be dismissed from the program:

BIOL 260

BIOL 261

BIOL 262

Upper Division Progression

Students admitted to the Upper Division of Nursing must earn a C or above in all nursing courses. Good standing in the Upper Division for the

Traditional BSN program is a minimum cumulative university GPA of 2.5. RN-BSN students must maintain a minimum cumulative university GPA of 2.0.

Students admitted to the Upper Division are allowed to repeat a nursing course only one time. Students who earn a grade below C in two Nursing (NURS) courses numbered 300 or above, or a second attempt at a nursing course will be dismissed from the program. This includes the required Pharmacology and Pathophysiology courses taken in Lower Division. For example, if a student fails NURS 338 in lower division and then fails an additional course numbered 300 or higher in upper division, this is two nursing failures and the student will be dismissed from the program.

A student who wishes to repeat a nursing course should submit a Permit to Repeat Course form to the Office of Student Services, School of Nursing for approval. Once permission is granted, the student will be allowed to repeat the course on a space available basis.

If suspended from the program, students must meet with their advisor to revise their program of study, determine remediation, request re-enrollment on a space available basis, and plan to submit an Admissions Petition and official UofL Undergraduate application to the Office of Admissions in accordance with University guidelines. Re-admission is not guaranteed.

If dismissed from the program, the student has the right to file a petition to be allowed to remain in the program. If the petition to be allowed to remain in the program is denied, dismissal from the program is permanent. For petition deadlines please call the Office of Student Services at (502) 852-1196.

Speed School of Engineering

A program GPA is calculated by including only those courses used to satisfy degree requirements. Courses for which transfer credit has been awarded are not included in either GPA calculation.

Students have the responsibility to know their current status. The University routinely notifies students when their status changes, but such notification may not be possible before the beginning of the semester.

Good Standing

The Speed School of Engineering follows university-wide policies, except that students are in good standing when they have a minimum cumulative university GPA and PGPA of 2.25.

Academic Warning

Students on Academic Warning are limited to enrollment for 13 credit hours (7 credit hours during the Speed School summer term). A student placed on Academic Warning will have the following semester to raise the cumulative university GPA to at least 2.25. If that does not occur, the student will then be placed on Academic Probation.

Academic Probation

In any semester subsequent to that described in Academic Warning above, an undergraduate student who has less than a 2.25 cumulative university GPA will be placed on Academic Probation for the next semester in which the student enrolls. Students on Academic Probation are notified that their achievement is below expectations and are subject to course and/or credit hour limitations. During a semester on Academic Probation, no student may enroll in more than 13 credit hours (7 credit hours during the Speed School summer term). Students on Academic

Probation will have their records evaluated at the end of the probationary semester with one of the following outcomes:

- Students whose cumulative university GPA and semester GPA are both at or above 2.25 will be restored to good standing in the Speed School.
- Students whose cumulative university GPA is still below 2.25 but who earned a semester GPA of at least 2.5 will be maintained on probation.
- Students whose cumulative university GPA is still below 2.25, and who earned a semester GPA at or above 2.25 but below 2.5, may petition for continuation on probation. The petition describing the student's plan of action to return to good standing must be submitted to the school's Standards and Admissions Committee. Students who do not submit a petition will be placed on Academic Suspension.
- Students whose cumulative university GPA and semester GPA are both below 2.25 will be placed on Academic Suspension and will be required to sit out at least one semester.

Class Attendance



The academy requires student participation in the learning process, measurement of student progress, and the fulfillment of basic course requirements. Faculty members will provide students in their classes with clear syllabi, including attendance requirements and dates for required measurements or field experiences. Attendance policies should allow excused absences for university-sanctioned events. Although each college, school, or academic unit of the University of Louisville creates its own regulations concerning class attendance, all units hold students responsible for materials covered, lectures given, papers due, exams scheduled, or other evaluative measures administered.

Because the university recognizes that educational experiences extend beyond the classroom and campus, faculty must be flexible with students acting as official representatives of the university or participating in university-sanctioned events or activities that require absence from class. A university sanctioned event or activity shall be one in which a student represents the university to external constituencies in academic or extra-curricular activities. These include but are not limited to student government congresses, intercollegiate athletic and debate contests, music competitions, academic meetings, and conferences. The deans, the student government association, or faculty sponsors of recognized student organizations may petition the provost to designate other specific events as university-sanctioned.

When students' participation in university-sanctioned events or activities requires them to be absent from a class (or classes) during which an

examination or other measurement of academic progress is scheduled, faculty will provide students with opportunities to be evaluated at other times and by comparable alternative evaluation methods within a reasonable period of time before or after the absence. Students are responsible for material covered or work assigned in any class for which they have been provided an excused absence.

Dean's List and Scholars

Students who complete twelve or more graded credits in one semester are eligible for the Dean's List and designation as a Dean's Scholar.

The following distinctions are made:

- Dean's List: UGPA of 3.5 and above, with no grades of I, X, U, or C-minus or below
- Dean's Scholar: UGPA equal to 4.0, with no grades of I, X, or U

Developmental courses (courses below 100 level) and grades of P are not prohibited in Dean's List or Dean's Scholar qualifications but cannot be used to meet the graded-credits minimum requirement. Any petitions arising from unusual circumstances (such as part-time status) should be filed with the students' advising center within two weeks of the beginning of the next term of enrollment.

Final Examinations



Comprehensive final examinations may be administered only on the date and time prescribed in the online university final exam schedule.

Comprehensive examinations may not be given on the last regular day of class or during the reading period. Examinations which cover a limited portion of the coursework may be given during the last regular class period. Students must be notified of the type of examinations to be given in the course as well as each examination's percentage of the course grade. This information, along with scheduled dates and times, should be included in the course syllabus.

The comprehensive final examination in a course should be given as scheduled and not at other times, even if the faculty member and all students in a course agree to such a change. However, students who have more than two exams in one calendar day, or two examinations at the same time, may reschedule. Students should contact the instructors as early in the semester as possible, no less than one week prior to the last class meeting, to resolve any scheduling issues.

If a resolution cannot be reached, students should contact their advising center. The dean's office is responsible for enforcing the final exam policy and resolving any conflicts or issues.

Grading

The university awards letter grades that are translated into quality points to determine a grade point average. The "+/-" ("plus/minus") grading system may be used by instructors to help students understand their performance more accurately. Under this system, quality points are assigned as follows:

Grades	Quality Points
A+	4.0 (see below)
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0 (see below)

The grade A+ is given for extraordinary work and appears on the transcript with the "plus" qualification, but it awards no additional quality points.

The grade F means not passing and earns neither semester hours toward graduation nor quality points; however, the number of semester hours attempted is computed into the point standing, so that an F has a negative effect on the point standing. All missing grades change to failing grades one year after the completion of the semester in which the course was taken.

Other letter grades, all of which do not enter into the point standing, include the following:

AU means Audit.

I means Incomplete Work.

P means Passing.

S and **U** mean Satisfactory and Unsatisfactory.

W means Withdrew.

X means No Basis for Grade.

For a course taken on a pass-fail basis a grade P is given for achievement equivalent to the standards for the grades A through D in the same course and earns the designated number of semester hours toward graduation. For courses using S and U, an S will earn semester hours, but those hours may not be counted toward the minimum number of hours required for graduation or a degree. The grade X is available only for graduate level courses for which the work is not yet finished due to the nature of the study.

The university's undergraduate grade point average (UGPA) is determined by dividing the total number of quality points earned by the total number of semester hours attempted with earned grades. The UGPA takes into account all undergraduate course work taken at the university, except

that courses numbered below the 100 level will not be used in the earned hours or UGPA calculations. Grades and quality points earned at other institutions are also not incorporated into the UGPA.

A program GPA is calculated by including only those courses used to satisfy degree requirements. Courses for which transfer credit has been awarded are not included in the calculation. The program GPA is used for determination of honors and satisfaction of degree requirements.

Incompletes



Students unable to complete course work because of conditions beyond their control may be granted the grade I, which stands for Incomplete, so that the work can be completed after the end of the semester. Such conditions include hospitalizations, death in immediate family, and prolonged sickness. The grade I may not be used solely to extend the available time in a semester for students who fall behind for reasons under their control.

The grade I may be assigned at the discretion of the course instructor if all of the following conditions are met:

- The majority of the course work was completed prior to the end of the semester;
- The student is in good standing to pass the course upon successful completion of the remaining work;
- The final portion of the course work could not be completed for reasons beyond the student's control.

If requested to do so, the student must supply the instructor with documentation of the extenuating circumstances. The instructor is encouraged to provide to the student a written statement of the expectations and requirements for completing the course work.

Students must complete the course work no later than the last day of classes for the next regular fall or spring semester. If the work is completed by the deadline, the instructor submits a change of grade from I to the letter grade earned. The change of grade form must be submitted by the instructor to the registrar's office by the last day to submit grades for the semester when the student's completed coursework was due. Failure of the student to complete the work by the deadline will result in an automatic change of grade from I to F unless the dean's office grants an extension.

Students may not graduate with an I grade on the transcript. Students with an incomplete should not register again for the course. An I carries no quality points until it is changed to a letter grade.

Graduation Policies



Information on policies related to degree requirements and graduation at the University of Louisville can be found on this page or by clicking on the following links to topic-specific pages:

- Catalog Year (p. 74)
- General Education: Cardinal Core Requirements (p. 74)
- Graduation and Degree Requirements (p. 76)
- Graduation with Academic Honors (p. 79)
- Residency Requirements (p. 80)

These policies are effective for Academic Year 2019-2020 (Summer 2019 semester). Students enrolled in a term before this effective semester should consult with an advisor in their enrollment unit (<http://louisville.edu/advising/centers>) if they feel that they are disadvantaged by any change from previous policies.

Previous catalogs are available via the archive page of this catalog (p. 854).

Catalog Year

The university issues a catalog annually in conjunction with the start of the summer term, and the degree requirements stated in the annual issue apply to all students who matriculate during that year. These requirements constitute the "catalog year" for those students and set their degree requirements as long as they are enrolled without a break of more than two calendar years. In other cases, a student may elect to follow the requirements of a later catalog year. The student's advisor will assist in identifying the need and benefit of such an election. The advisor must record this election in the student's permanent record.

Students may petition for a variance from the stated degree requirements of their catalog year. Any variance must be approved by the dean or unit advising director (for unit and major degree requirements) or the provost (for General Education or Cardinal Core requirements).

Students readmitted after an absence of two or more calendar years must reapply for admission. If readmitted, they are subject to the catalog year requirements in force at the time of their readmission.

Note: The degree requirements for students enrolled before summer 2018 have been migrated to the university's updated General Education program, Cardinal Core, with provision for differences between the old general education program and the Cardinal Core.

General Education: Cardinal Core Requirements

Beginning in summer 2018, all students are required to meet the requirements of the Cardinal Core general education program. Students who matriculated to the university before summer 2018 should consult with their advisors about transitioning from the previous general education program to Cardinal Core.

The Cardinal Core program at the University of Louisville prepares students to do the advanced work needed for their baccalaureate degrees and prepares them to contribute to society throughout their lives through their professional work and civic engagement. The program emphasizes the development of key intellectual skills relevant to any career path: critical thinking, quantitative reasoning, effective communication, and the understanding of historical, social, and cultural diversity. Students will develop skills and acquire knowledge in the content areas of arts and humanities, historical perspectives, oral communication, quantitative reasoning, social and behavioral sciences, natural sciences, written communication, and the competency area of diversity in the United States and globally. Upon completion of the program, students will be prepared to analyze complex problems and evaluate possible courses of action in an environment characterized by diversity and the need for sustainable solutions.

For detailed information, please refer to the General Education: Cardinal Core (<http://catalog.louisville.edu/undergraduate/general-education-requirements>) page in this catalog.

Graduation and Degree Requirements

The conferring of degrees by the University of Louisville is conditional upon completion of all requirements in the opinion of the unit faculty and dean, regardless of the students' participation in commencement.

Students are strongly urged to run preliminary degree audits on a regular basis so that possible deficiencies in degree requirements can be identified early.

The baccalaureate degree (Bachelor's of Arts, Fine Arts, Music, or Science) is the undergraduate degree offered by UofL. It is awarded to students who have completed both university-wide requirements and the requirements of the selected degree program. The following university-wide requirements apply to all baccalaureate degrees; the student must:

- Complete an online degree application by the specified date at the beginning of the semester of graduation.
- Complete an application for and be accepted for admission into a major program.
- Satisfy all Cardinal Core requirements.
- Complete all required courses and program requirements listed in the degree program section of this catalog.
- Have a cumulative university GPA of at least 2.00, or higher if specified by the program.
- Have a cumulative program GPA of at least 2.00, or higher if specified by the program.
- Complete a minimum of 120 hours applicable to the program, or more if required by the program.
- Complete at least 60 hours at an accredited four-year institution.
- Complete at least 25-percent of the total credit hours required for the degree in residence at the University of Louisville.
- Complete 30 of the last 36 hours in residence at the University of Louisville.

- Have neither missing nor outstanding I or X grades.
- Satisfy any additional requirements specified by the major program and unit.
- Be discharged of all financial obligations to the University.
- Be formally recommended for the baccalaureate degree by the unit faculty and dean and approved by the Board of Trustees.

To be awarded a second bachelor's degree, students must earn a minimum of thirty additional semester hours in the program. For students pursuing two degrees simultaneously, these thirty hours will be added to the minimum total of semester hours needed for the degree requiring the least number of hours.

Students who want to take a minor must apply for admission to the minor program after acceptance into a major program. The coursework requirements for a minor are prescribed by a department or unit and consist of at least 18 semester hours. Satisfactory completion of coursework required for a minor will be certified as completion of the minor, and will be shown on the student's transcript only if the student's application has been accepted by the department or program offering the minor. Most minor programs are open to students from all units.

Graduation with Academic Honors

Baccalaureate degree students who have earned a minimum of 60 hours of degree credit in residence at the University of Louisville will be eligible for consideration to graduate with honors. Students who have re-entered the university under the fresh-start policy must have earned at least 60 credit hours since their return to be considered for academic honors.

Commencement programs will list eligible students as a Candidate for Honors based on their having earned both undergraduate and program grade point averages of 3.5 or higher prior to the semester preceding graduation. Final determination of a student's eligibility to graduate with academic honors will be based on the student's standing upon completion of the degree. The name of the honor is decided by the unit.

Minimum criteria for honors are as follows:

- Cum Laude or Honors: 3.50 undergraduate and program grade point averages
- Magna Cum Laude or High Honors: 3.75 undergraduate and program grade point averages
- Summa Cum Laude or Highest Honors: 3.90 undergraduate and program grade point averages

In addition to these minimum criteria, units may specify additional requirements for grade point averages and additional work such as honors projects or honors theses. Students should consult their advisor concerning eligibility and requirements for graduation with academic honors. The dean's office will make any final decisions concerning eligibility.

Students who were admitted to the University Honors program may be eligible to graduate as an Honors Scholar. Students who complete the necessary coursework with the required GPA will earn the designation of University Honors Scholar on both their transcript and diploma. Students who earn this distinction are awarded a medal and recognized at an awards ceremony prior to university commencement.

Residency Requirements

Students earning baccalaureate degrees are required to complete at least 25 percent of the total credit hours required for the degree (including Cardinal Core credit hours) at the University of Louisville. Students earning baccalaureate degrees are also required to complete 30 of their last 36 semester hours at the University of Louisville. Students earning associate degrees are required to complete a minimum of 15 of their last 18 semester hours at the University of Louisville. Additionally, transfer students must take a minimum of 12 credit hours in their major at the University.

Catalog Year



The university issues a catalog annually in conjunction with the start of the summer term, and the degree requirements stated in the annual issue apply to all students who matriculate during that year. These requirements constitute the “catalog year” for those students and set their degree requirements as long as they are enrolled without a break of more than two calendar years. In other cases, a student may elect to follow the requirements of a later catalog year. The student’s advisor will assist in identifying the need and benefit of such an election. The advisor must record this election in the student’s permanent record.

Students may petition for a variance from the stated degree requirements of their catalog year. Any variance must be approved by the dean or unit advising director (for unit and major degree requirements) or the provost (for General Education or Cardinal Core requirements).

Students readmitted after an absence of two or more calendar years must reapply for admission. If readmitted, they are subject to the catalog year requirements in force at the time of their readmission.

Note: The degree requirements for students enrolled before summer 2018 have been migrated to the university’s updated General Education program, Cardinal Core, with provision for differences between the old general education program and the Cardinal Core.

General Education: Cardinal Core Requirements

Cardinal Core Overview

The Cardinal Core program at the University of Louisville prepares students to do the advanced work needed for their baccalaureate degrees and prepares them to contribute to society throughout their lives through their professional work and civic engagement. The program emphasizes the development of key intellectual skills relevant to any career path:

critical thinking, quantitative reasoning, effective communication, and the understanding of historical, social, and cultural diversity.

Students develop skills and acquire knowledge in the content areas of arts and humanities, historical perspectives, oral communication, quantitative reasoning, social and behavioral sciences, natural sciences, written communication, and the competency area of diversity in the United States and globally. Upon completion of the program, students are prepared to analyze complex problems and evaluate possible courses of action in an environment characterized by diversity and the need for sustainable solutions.

Students should demonstrate proficiency (through coursework or external credit) in the three skills areas (written communication, oral communication, and quantitative reasoning) before completing the first 30 degree-applicable credit hours earned at the University of Louisville. Within 60 hours, the student should have completed 21 hours of Cardinal Core courses.

The Cardinal Core program requires a minimum of 31 credit hours from approved course categories as outlined in the table below. Students must complete a minimum of 12 hours in the skills courses, a minimum of 19 hours in the disciplinary perspectives courses, and within the 31 hours, students must accumulate 6 hours in diversity credit.

Academic advisors can guide students in the selection of courses.

Cardinal Core Content Areas and Required Credit Hours

Area	Hours
Skills	
Written Communication (WC)	6
Oral Communication (OC)	3
Quantitative Reasoning (QR)	3
Disciplinary Perspectives	
Arts & Humanities (AH) ¹	6
Social & Behavioral Sciences (SB)/Historical Perspective (SBH) ²	6
Natural Sciences/Natural Sciences Lab (S, SL, B) ³	7
Diversity	
U.S. Diversity (D1), 3 hours	
Global Diversity (D2), 3 hours	
The Diversity requirement does not add hours to the total Cardinal Core Program. Diversity requirements will be met by taking courses in other Cardinal Core categories that also carry the D1 or D2 designation.	
Total Hours Required	31

¹ Students must take at least 2 courses from different disciplines to satisfy the Arts & Humanities (AH) requirement.

² Students must take at least 2 courses from different disciplines—with a minimum of 3 hours in Historical Perspectives (SBH) coursework—to satisfy the Social & Behavioral Sciences (SB) and Historical Perspectives (SBH) requirement.

³ Students must take a lecture and lab in a single discipline and an additional 3 hours in a second discipline to satisfy the Natural Sciences (S, SL, B) requirement.

For a list of approved Cardinal Core courses, please visit the Cardinal Core website (<http://louisville.edu/provost/ger>).

Cardinal Core Content Areas

Written Communication

Written communication is the ability to develop and express ideas, opinions, and information in appropriate written forms. To fulfill this requirement, students will complete a substantial amount of writing, including several texts that go through the writing process.

Requirement: 6 hours (WC). The first 3 hours must be a writing course in or credit approved by the Department of English.

Oral Communication

Oral communication is the ability to convey ideas, emotions, and information through speech.

Requirement: 3 hours (OC)

Quantitative Reasoning

Quantitative reasoning is concerned with solving real-world problems through mathematical methods.

Requirement: 3 hours in quantitative reasoning (QR)

Disability Resource Center Assistance with QR Requirement

A student who believes that his or her inability to complete a course that fulfills the quantitative reasoning Cardinal Core requirement is a result of a disability should contact the Disability Resource Center (DRC), which will outline the process for documenting such a disability, explain what courses can be substituted if a disability is diagnosed, and will make clear to the student that such a substitution will make it impossible to take classes for which Cardinal Core quantitative reasoning courses are prerequisite, thus greatly limiting the majors the student can elect. All such courses of action must be approved by the provost.

Arts and Humanities

Arts and humanities are concerned with understanding of art, music, theatre, literature, philosophy, and religious thought.

Requirement: 6 hours in the arts and/or humanities (AH), with at least two courses from different disciplines.

Social and Behavioral Sciences

Social and behavioral sciences are concerned with understanding human behavior, human interactions, human environment, and the related social structures and forms.

Historical perspective (SBH) is concerned with understanding change over time. Courses addressing this requirement cover a broad body of historical knowledge and compare different societies and cultures.

Requirement: 6 hours (SB): At least two courses from different disciplines and 3 hours must be in Historical Perspective (SBH).

Natural Sciences

Natural sciences are concerned with understanding the laws of nature and the physical world.

Requirement: 7 hours: lecture (S) and lab (SL) or combined lecture and lab (B) in a single discipline; an additional 3 hours in a second discipline.

Competency in Diversity

Diversity refers to the difference that differences make. All courses in diversity will examine the ways in which components of identity and social and material stratification positively or negatively affect life experiences, opportunities, and sense of belonging in national or global contexts.

Students must take 6 hours in diversity, with 3 hours in U.S. diversity (D1) and 3 hours in global diversity (D2). The diversity requirements will be met by taking courses in other Cardinal Core categories that also carry the D1 or D2 designation. This requirement, therefore, does not add hours to the total Cardinal Core program.

• U.S. Diversity

Courses in U.S. diversity (D1) will broaden students' understanding of how the experiences and opportunities of individuals and groups in the United States are shaped by the various historical, cultural and social structures and processes of stratification. These courses will center on race, socio-economic status, and gender, and/or their interactions with other social demographics.

Requirement: 3 hours

• Global Diversity

Courses in global diversity (D2) will broaden students' understanding of how the experiences and opportunities of individuals and/or groups in non-U.S. societies are shaped by the various historical, cultural and social structures and processes of stratification locally or globally.

Requirement: 3 hours

Petitions for Diversity (D) Credit

Students may receive one diversity credit by petitioning the Cardinal Core Curriculum Committee under the following claims.

Diversity (D) Credit for Study Abroad Courses

Students may petition for diversity (D) credit for coursework undertaken as part of a study-abroad program prior to participation. Courses not previously approved for Cardinal Core credit will not be accepted for diversity (D) credit even if they are part of a university-approved study-abroad program. Petitions must be submitted to the committee through the Cardinal Core website.

Detailed instructions are available on the Cardinal Core website (<http://louisville.edu/provost/ger/diversity>).

Diversity (D) Credit for Transfer Courses

A student may petition the Cardinal Core Curriculum Committee to evaluate transfer courses identified by the Admissions Office as not equivalent to any existing approved diversity (D) course. The student requesting the evaluation must provide a catalog course description and a syllabus of the course.

Information on submitting a petition for transfer credit is available on the Cardinal Core website (<http://louisville.edu/provost/ger/diversity>).

Diversity (D) Credit for Military Experience

A student may petition for diversity (D) credit based on military experience. The petition must include an essay identifying which form of diversity (D) credit is requested,

describing and explaining how the experience met the learning outcomes of the diversity (D) competency.

Petitions must be submitted to the committee. Detailed instructions (including specifications of the essay, criteria for assessment of the essay, submission deadlines, and limits on the petition period) are available on the Cardinal Core website (<http://louisville.edu/provost/ger/diversity>).

Only one diversity credit (D1 or D2) may be earned by petition.

Cardinal Core Guidelines

These rules provide guidelines and available options for student course selection for completion of the Cardinal Core (general education) requirements (effective summer 2018). In alignment with university policy, the requirements, rules, policies, and the associated course listing for Cardinal Core in this catalog are for summer 2018 through spring 2019 and apply to all students enrolled in the university during this period.

Questions concerning these guidelines can be addressed to gecc@louisville.edu for the consideration of the committee.

Course Substitutions and Appeals

Students, departments, and units may not attempt to substitute for a Cardinal Core approved course any University of Louisville course not on the Cardinal Core approved list. The Cardinal Core Curriculum Committee will not accept any appeal for such consideration.

Transfer Students and Cardinal Core

Kentucky General Education Transfer Policy

Students who transfer between Kentucky's public institutions of higher education may qualify for certification of coursework meeting the Kentucky General Education Transfer Policy.

General Education Category Certified

Students who have completed some but not all of the five categories in the core component will be "category certified" for purposes of transfer. Individuals in this situation must fulfill all of the remaining general education requirements of the receiving institution that have not been satisfied through category certification. Students will still be required to complete 6 hours in courses designated diversity (D), with 3 hours in U.S. diversity (D1) and 3 hours in global diversity (D2).

Statewide General Education Core Categories

General Education Core Certified

Students who have completed all of the categories – the core component – with a minimum of 30 unduplicated credit hours will be "core certified" for purposes of transfer. A student admitted to the university as core certified is considered to have met all general education requirements of the institution with the exception of the Diversity competency. Students will still be required to complete 6 hours in courses designated diversity (D), with 3 hours in U.S. diversity (D1) and 3 hours in global diversity (D2).

General Education Fully Certified

Students who have completed a general education program, with a minimum of 30 unduplicated semester credit hours or the equivalent (may include an approved SACS justification for fewer hours) which includes the core component and all additional institutional-specific general education courses, will be "General Education Fully Certified" for purposes of transfer. If the receiving institution's general education

program requires a sum of hours that is less than the total the student has taken at the sending institution, the excess hours will be accepted for transfer by the receiving institution and evaluated for application toward degree requirements. There may be graduation requirements beyond general education requirements that a student will need to complete (e.g., senior year capstone experiences).

AA/AS Credit for General Education

Students who graduate from Kentucky public institutions with AA or AS degrees will be deemed to be General Education Fully Certified. Other students who present the transcript for an AA (Associate of Arts) and/or an AS (Associate of Science) degree from a regionally-accredited institution (not included in the Kentucky Public Transfer Policy) will be considered for General Education Core Certification. Transcripts for such consideration must show completion of at least one transferable course in each of the Cardinal Core content areas at the University of Louisville: Written Communication, Oral Communication, Quantitative Reasoning, Arts and Humanities, Social and Behavioral Sciences (including Historical Perspective), and Natural Sciences.

General Education Requirements for Second-degree Students

For students already holding a baccalaureate degree but in residence to complete a second baccalaureate, the Cardinal Core requirements shall be considered fulfilled by the first baccalaureate degree.

Cardinal Core Assessment

Assessment of student learning outcomes is a national expectation in higher education and the expectations are calls for increased accountability. The Cardinal Core Curriculum Committee (CCCC) will conduct a systematic assessment of the Cardinal Core program for achievement of the student learning outcomes. In particular, the university-wide general education assessment program evaluates student performance in the key intellectual skills of the Cardinal Core program: critical thinking, quantitative reasoning, effective communication, and the understanding of historical, social, and cultural diversity. This process evaluates the effectiveness of the general education program and recommends changes for its improvement, as required by the Southern Association of Colleges and Schools' (SACS) accreditation principles.

Graduation and Degree Requirements

University Policies: Graduation and Degree Requirements

The conferring of degrees by the University of Louisville is conditional upon completion of all requirements in the opinion of the unit faculty and dean, regardless of the students' participation in commencement.

Students are strongly urged to run preliminary degree audits on a regular basis so that possible deficiencies in degree requirements can be identified early.

Bachelor's Degree Requirements

The baccalaureate degree (arts, fine arts, and science) is the undergraduate degree offered by the university. It is awarded to students who have completed both university-wide requirements and the

requirements of the selected degree program. The following university-wide requirements apply to all baccalaureate degrees. The student must:

- Complete an online degree application by the specified date at the beginning of the semester of graduation.
- Complete an application for and be accepted for admission into a major program.
- Satisfy all Cardinal Core requirements.
- Complete all required courses and program requirements listed in the degree program section of this catalog.
- Have a cumulative university GPA of at least 2.00, or higher if specified by the program.
- Have a cumulative program GPA of at least 2.00, or higher if specified by the program.
- Complete a minimum of 120 hours applicable to the program, or more if required by the program.
- Complete at least 60 hours at an accredited four-year institution.
- Complete at least 25% of the total credit hours required for the degree in residence at the University of Louisville.
- Complete 30 of the last 36 hours in residence at the University of Louisville.
- Have neither missing nor outstanding I or X grades.
- Satisfy any additional requirements specified by the major program and unit.
- Be formally recommended for the baccalaureate degree by the unit faculty and dean and approved by the Board of Trustees.

Second Baccalaureates

To be awarded a second bachelor's degree, students must earn a minimum of thirty additional semester hours in the program. For students pursuing two degrees simultaneously, these thirty hours will be added to the minimum total of semester hours needed for the degree requiring the least number of hours.

Minors

Students who want to take a minor must apply for admission to the minor program after acceptance into a major program. The course work requirements for a minor are prescribed by a department or unit and consist of at least 18 semester hours. Most minor programs are open to students from all units.

Satisfactory completion of course work required for a minor will be certified as completion of the minor, and will be shown on the student's transcript only if the student's application has been accepted by the department or program offering the minor.

Unit-Specific Policies

In addition to the university-wide policies regarding Graduation and Degree Requirements, students may be subject to the unit-specific requirements listed below.

College of Arts and Sciences

Minimum Hours

Each student must earn a minimum of 121 semester hours of credit (unless a higher minimum is specified in a program of study). At least 50 of the total semester hours, whether required or elective, must be earned in courses numbered 300 or higher. A student who earns duplicate credit for courses will be required to complete more hours.

Maximum Hours in Major

No more than 40 hours of courses that count in the major field may be applied toward graduation by candidates for the BA degree. No more than 60 hours in the major field may be applied toward graduation by candidates for the BS degree. No more than 80 hours in Fine Art (courses designated ART and ARTH) may be applied toward the BFA in Fine Arts.

Departmental Learning Outcomes Assessment

Completion of a baccalaureate degree also requires students to submit work to the department of the major for the department's Learning Outcomes Measurement. Details about the specific requirements and deadlines of an individual department are available in the department office. Students are advised to make themselves aware of these requirements as early as possible in their academic careers.

Requirements for Minors

The course work requirements for a minor consist of 18-23 semester hours. A maximum of 3 hours of pass-fail work may be applied. Students may elect a major and a minor in the same department only if there is more than one degree program in that department and if the major and minor are in two different programs of the department. Students who elect a minor and a major in the same department are cautioned that no more than 40 hours of courses with the same departmental designation that count in the major may be applied toward the 121 hours minimum for a BA degree and no more than 60 hours with the same departmental designation may be applied toward the 121 hours minimum for a BS degree. Students also are cautioned that completion of the major, which is required for all degrees, and completion of the minor, which is optional, may require the student to complete more than the 121 semester hours minimum required for a baccalaureate degree. Courses required for the minor may be used to fulfill other degree requirements.

College of Business

Minimum Hours

Required hours exclude non-academic credits (all remedial course work including Reading, English, and Math courses numbered 100 or below). Students pursuing a second bachelor's degree must be admitted to the College of Business in degree status, must earn a minimum of 30 hours beyond their last degree and fulfill all program and GPA requirements of the second degree.

Upper-Level Hours

At least 48 of the total semester hours, whether required or elective, must be earned in courses numbered 300 or higher. Note that the number of the course, not the student's classification, determines whether or not a course is senior-level.

College of Education & Human Development

The baccalaureate degrees offered by the College of Education and Human Development include minimum requirements for completion and graduation.

Organizational Leadership and Learning

The following requirements apply to the BS degree in Organizational Leadership and Learning:

- At least 50 of the hours for the degree must be upper-level hours (300 level and above).

- 2.25 overall grade point average and 2.50 grade point average in the major.
- University policy mandating that 30 of the last 36 hours must be taken in residence does not apply to distance education students or active-duty military personnel in the OLL program.
- A grade of C or better is required in all professional education courses. C-minus is not acceptable.
- Students admitted to the OLL Healthcare Leadership track must maintain a 2.7 overall grade point average as well as a 3.3 grade point average in the major. Students are required to earn a B+ or better in each major course. For additional policies regarding this Competency-Based Education program: [*Organizational Leadership and Learning with a Track in Healthcare Leadership \(BS\)*](#).

Health and Human Performance

Students must complete at least 45 of the credit hours for the degree at the University of Louisville with a minimum cumulative university grade point average of 2.25. Students must have completed HSS 184 and HSS 320 with a grade of B-minus or higher and HSS 202 with a grade of C or higher.

Sport Administration

Students must complete at least 45 of the credit hours for the degree at the University of Louisville with a minimum cumulative university grade point average of 2.50. Students must have completed SPAD 281 and SPAD 284 with a grade of C or better (C-minus will not be accepted). Students must not have earned any grades of D in SPAD courses required for the major.

The minimum requirements for completion of the degree are:

- A total of 123 hours with at least 50 upper-level hours (300-level and above)
- 2.25 overall grade point average

Early Elementary Education

The following degree requirements apply to the BS degree in Early Elementary Education:

- A minimum total of 125 hours with at least 50 upper-level hours (300-level and above)
- 2.75 overall grade point average
- 3.0 grade point average in program education courses
- Satisfactory work sample

Middle/Secondary Education

The following degree requirements apply to the BS degree in Middle/Secondary Education:

- A minimum total of 125 hours with at least 50 upper-level hours (300-level and above)
- 2.50 grade point average in content area.
- 3.0 grade point average in program education courses.
- Satisfactory teacher performance assessment (TPA)

Please note that students must be formally admitted to the teacher education program for Early Elementary or Middle/Secondary Education. Please contact Education Advising and Student Services for further information.

Requirements for Minors

A grade point average of 2.50 is required to earn the Exercise Science minor. A grade point average of 2.25 is required to earn the Sport Administration minor. No grades of D are allowed in any coursework used to complete any HSS minor.

Application for Teacher Certification

Students seeking teacher certification upon completion of degree and/or program requirements, must apply through the College of Education Advising and Student Services office to the Kentucky Professional Standards Board to receive the teaching certificate. Consult Education Advising and Student Services office for information.

Kent School of Social Work

Kent students participating in commencement will receive a generic letter stating that they have met the requirements of the BSW degree. This letter is an official letter that can be given to employers, for possible employment benefits. Students not attending commencement will NOT receive such a letter. Official degrees take up to six weeks to show on student transcripts. No personal letters for licensure or employment purposes can be given to students. These letters can also not be given before commencement due to specific university restrictions. Students should plan licensure exams or employment dates to accommodate this six-week delay after commencement to get an official transcript showing a degree.

School of Music

Minimum Hours and Point Standing

To be recommended for a degree or minor in Music, the student must have completed the prescribed number of hours in the courses taken and must have a 2.5 grade point average.

School of Nursing

A candidate for the Bachelor of Science in Nursing in the traditional BSN program must have satisfactory completion of the required BSN courses with a minimum undergraduate cumulative and program grade point average of 2.5; a minimum university GPA of 2.0 in all coursework is required. A minimum letter grade of C is required in all nursing courses (NURS).

A candidate for the Bachelor of Science in Nursing in the RN-BSN program must have satisfactory completion of the required BSN courses and earned a minimum university and program grade point average of 2.0. A minimum letter grade of C is required in all nursing courses (NURS).

J.B. Speed School of Engineering

Graduation and Degree Requirements

Degree requirements for all BS degrees granted by the J.B. Speed School of Engineering will be based upon the course requirements that are in effect at the time of admission to the School of Engineering. If an

applicant has been admitted several times, the degree requirements in effect at the most recent time of admission will apply.

The following graduation and degree requirements apply to all BS engineering degrees. The student must:

- Have credit for each of the three cooperative education work terms
- Have a cumulative university GPA of at least 2.25 and have a cumulative program GPA of at least 2.25

Second Bachelor's Degree

In addition to the requirements set by the university, satisfaction of the requirements for co-op must have approval of both departments.

Graduation with Academic Honors



University Policies: Graduation with Academic Honors

Baccalaureate degree students who have earned a minimum of 60 hours of letter-graded (i.e., not Pass/Fail) degree credit in residence at the University of Louisville will be eligible for consideration to graduate with honors. Students who have re-entered the university under the fresh-start policy must have earned at least 60 letter-graded credit hours since their return to be considered for academic honors.

Commencement programs will list eligible students as “Candidates for Honors” based on their having earned both undergraduate and program grade point averages of 3.5 or higher prior to the semester preceding graduation. Final determination of a student’s eligibility to graduate with academic honors will be based on the student’s standing upon completion of the degree. The name of the honor is decided by the unit.

Minimum criteria for honors are as follows:

- Cum Laude or Honors: 3.50 undergraduate and program grade point averages
- Magna Cum Laude or High Honors: 3.75 undergraduate and program grade point averages
- Summa Cum Laude or Highest Honors: 3.90 undergraduate and program grade point averages.

In addition to these minimum criteria, units may specify additional requirements for grade point averages and additional work such as honors projects or honors theses. Students should consult their advisor concerning eligibility and requirements for graduation with academic honors. The dean’s office will make any final decisions concerning eligibility.

Students who were admitted to the University Honors program may be eligible to graduate as an Honors Scholar. Students who complete the necessary coursework with the required GPA will earn the designation of University Honors Scholar on both their transcript and diploma. Students who earn this distinction are awarded a medal and recognized at an awards ceremony prior to university commencement.

Unit-Specific Policies

In addition to the university-wide policies regarding Graduation with Academic Honors, students may be subject to the unit-specific requirements listed below.

College of Arts & Sciences

In determining eligibility for graduation with College Honors, the College takes into consideration not only the university cumulative grade point average (which must be at least 3.5), but also an “expanded cumulative grade point average” which is calculated only for the purpose of determining eligibility for graduation with College Honors.

The “expanded grade point average” is calculated based on grades earned in all college-level work. In the case of repeated courses, both the original grade and credit hours and the replacement grade and credit hours will be included in the calculation. Similarly, grades and credit hours excluded from the university grade point average through application of the academic bankruptcy provision and the Fresh Start program will be included in determining a student’s expanded grade point average. In the case of work done at other institutions, all grades and credit hours in all degree-applicable courses will be included in determining a student’s expanded grade point average.

Students should consult their advisor with any questions concerning eligibility and requirements for graduation with College Honors.

The minimum grade point average requirements for graduation with College Honors are:

Cum Laude: 3.50

Magna Cum Laude: 3.75 with no College honors thesis; 3.65 with College honors thesis

Summa Cum Laude: 3.75 with College honors thesis

All senior honors theses must be approved by the College of Arts & Sciences’ Honors Thesis Committee.

Further information about the requirements to graduate magna cum laude or summa cum laude—including eligibility, deadlines for the proposal, the completed project, and the defense of the project—can be found on the University Honors Program website (<http://louisville.edu/honors>).

College of Business

Students pursuing a double major must have the appropriate minimum GPAs in both majors to receive their degree with honors, high honors, or highest honors.

Alternatively, students may graduate with Highest Honors with a thesis project and the following GPA requirements: 1) a minimum of 3.75 University and program GPA at the beginning of the semester in which the student plans to graduate, and 2) the 3.75 minimum university and

program GPA must be maintained through the final semester prior to graduation. With this path, students must write a thesis in their major, according to the following procedures:

1. Prior to the beginning of the student's final semester, he or she must contact the discipline Department Chair and initiate a request to be a candidate for graduation with highest honors.
2. The Chair will establish an Honors Committee of three faculty members. In consultation with the Honors Committee, the Chair will prepare a schedule of activities to help the candidate complete the thesis in a timely manner.
3. The Honors Committee will consult with the candidate and agree on a topic. The candidate will prepare the thesis according to the general requirements set up by the Honors Committee.
4. The candidate will submit the final draft of the thesis by the deadline set out in the initial schedule of activities. The Honors Committee will review the thesis on the basis of grammatical accuracy, substantive contribution, and response to the Committee's input. If the Committee chooses, it may conduct an oral examination of the candidate.
5. After reviewing the thesis, the Honors Committee will forward a positive or negative recommendation and a copy of the thesis to the Chair. To be acceptable, the thesis must be approved by all three members of the Honors Committee with the concurrence of the Chair. A candidate may appeal a negative decision to the COB Undergraduate Studies Committee. The thesis, along with the recommendations of the Honors Committee and Chair, will be forwarded to the Associate Dean for Undergraduate Programs no less than three weeks before the end of the semester in which the candidate is to graduate. It will be retained there in either a public or confidential file, as designated by the candidate. The discipline advisor will also be notified of the decision as the responsible party for notifying the Registrar's Office.

Honors Scholar in Business

To graduate as an Honors Scholar in Business, a COB student must complete at least 24 hours of honors courses with at least 18 hours in the COB; at least 12 hours at the 300 level or above; and at least two upper-level seminar courses (or one seminar plus a senior thesis), at least one of which must be non-business. The student's final university GPA must be 3.5 or higher.

College of Education & Human Development

In order to be eligible to receive a degree with the distinction of Cum Laude, Magna Cum Laude or Summa Cum Laude, a student must earn:

Cum Laude: 3.50 university and program GPA

Magna Cum Laude: 3.75 university and program GPA

Summa Cum Laude: 3.90 university and program GPA and Honors project as outlined below. In order for a student to be eligible to receive a degree with the distinction of Summa Cum Laude, the student must have the recommendation of the major program faculty indicating an outstanding level of competence in the various phases of field experience as well as in all academic work.

"Program GPA" is defined as follows:

- HSS degrees: all degree-applicable HSS and SPAD courses
- Teaching and Learning degrees: all degree-applicable EDTP and EDSP courses
- Organizational Leadership and Learning degrees: all degree-applicable ELFH courses.

Only credit earned at the University of Louisville will be used in calculating grade point averages used in decisions regarding honors.

Guidelines for Graduating Summa Cum Laude

Students intending to graduate with the distinction of Summa Cum Laude must submit a proposal and present a final paper or project based on the guidelines developed by the College of Education and Human Development Honors and Scholarship Committee. The proposal must be approved by the Committee according to the following schedule:

- May degree applicant: Prior to September 30
- August degree applicant: Prior to October 15
- December degree applicant: Prior to March 30
- Detailed guidelines and forms are available at louisville.edu/education/advising/graduate-with-honors.

Each student must select a faculty sponsor for assistance and guidance in preparing the proposal and the final project/paper. The final project/paper must be approved by the Honors and Scholarship Committee according to the following schedule:

- May degree applicant: Prior to March 31
- August degree applicant: Prior to April 30
- December degree applicant: Prior to November 30

Speed School of Engineering

In order to be eligible to graduate with Honors, High Honors, or Highest Honors, students must have completed at least one-half of the credit hours required in their undergraduate degree program while enrolled in the J.B. Speed School of Engineering.

Residency Requirements

Students earning baccalaureate degrees are required to complete at least 25 percent of the total credit hours required for the degree (including Cardinal Core credit hours) at the University of Louisville. Students earning baccalaureate degrees are also required to complete 30 of their last 36 semester hours at the University of Louisville.

Students earning associate degrees are required to complete a minimum of 15 of their last 18 semester hours at the University of Louisville.

Additionally, transfer students must take a minimum of 12 credit hours in their major at the University of Louisville.

Student Records, Rights and Responsibilities

Information on policies related to student records, student rights and student responsibilities at the University of Louisville can be found on this page or by clicking on the following links to topic-specific pages:

- Academic Grievances (p. 82)
- Classification of Students (p. 83)
- Code of Student Conduct (p. 83)
- Code of Student Rights and Responsibilities (p. 83)
- Religious Days and Observances (p. 84)
- Student Records (p. 85)

These policies are effective for Academic Year 2019-2020 (Summer 2019 semester). Students enrolled in a term before this effective semester should consult with an advisor in their enrollment unit (<http://louisville.edu/advising/centers>) if they feel that they are disadvantaged by any change from previous policies.

Previous catalogs are available via the archive page of this catalog (p. 854).

Student Rights and Responsibilities

Academic Grievances

The academic grievance procedure is designed to provide fair means of dealing with student complaints regarding a specific action or decision made by the faculty or a faculty member.

"Students who believe they have been treated unfairly, discriminated against, or have had their rights abridged may initiate a grievance"
(The Redbook, Section 6.8.1).

Detailed information on how to submit and pursue a grievance can be found on the Office of the Provost website (<https://www.louisville.edu/provost/redbook>).

Code of Student Conduct

The University's Code of Student Conduct is the University's policy regarding non-academic discipline of students and student organizations. Academic discipline of students is not covered by the Code, but rather falls within the authority of the individual academic units of the University.

Students are responsible for reading and abiding by the Code of Student Conduct.

The Code of Student Conduct can be found on the Dean of Students website (<https://louisville.edu/dos/students/studentrightsandresponsibilities>).

Code of Student Rights and Responsibilities

The Code of Student Rights and Responsibilities is set forth in writing to provide students general notice of their rights and responsibilities at the University of Louisville. Further rights and responsibilities are set forth in other University rules and policies, including the Code of Student Conduct, Student Handbook, Residence Hall contracts, graduate and undergraduate catalogs and academic unit websites. It is the students' responsibility to be aware of all University rules and policies; students

should check with the Dean of Students Office and with their academic units if they have any questions about the purposes or intent of these policies.

The Code of Student Rights and Responsibilities contains statements regarding the following:

- Admission and Financial Aid
- Class Rights and Responsibilities
- Academic Dishonesty
- Discipline Procedures for Academic Dishonesty
- Freedom of Expression
- Student Press
- University Facilities
- Use of University Name and Insignia
- Campus Residence Facilities
- FERPA/Privacy Guidelines
- Recognized Student Organizations
- Promulgation of University Rules Affecting Students

The Code of Student Rights and Responsibilities can be found on the Dean of Students website (<https://louisville.edu/dos/students/studentrightsandresponsibilities>).

Work-Restricted Religious Observances/Holy Days

Federal law and university policy prohibit discrimination on the basis of religious belief. It is the policy of the University of Louisville to accommodate students, faculty, and staff who observe religious work-restricted holy days.

Students who observe work-restricted religious holy days must be allowed to do so without jeopardizing their academic standing in any course. Faculty are obliged to accommodate students' request(s) for adjustments in coursework on the grounds of religious observance, provided that the student(s) make such request(s) in writing during the first two (2) weeks of the term.

Deans and department chairs must investigate and resolve student complaints arising from alleged faculty failure to make reasonable accommodations under these guidelines.

Faculty and staff supervisors are directed to accommodate requests for absence for work-restricted religious holy days, unless it would cause an undue hardship. Further, whether the holy days are work-restricted or not, supervisors of faculty and staff should be sensitive to requests for accommodations.

Definition of Religious Observance/Work-restricted Holy Day

A recognized denominational sacred or holy day that is observed by persons or groups who are required—through a set or system of religious beliefs, laws/doctrines, tenets, canons or theology—to restrict or limit work and/or physical or mental activity directed toward the production or accomplishment of something; toil; labor.

This definition may include academic endeavors (e.g., examinations, classroom activities and research, or out-of-classroom learning experiences).

There is a distinction between religious holy days, sectarian holidays, and ethnic holidays and festivals which are routinely celebrated in the United States of America—e.g., Christmas, Thanksgiving, New Year's Day—and

religious work-restricted holy days which are based upon religious tenets, laws, and/or doctrine—e.g., Yom Kippur, portions of Ramadan, or a work-restricted Sabbath.

Individuals who observe and/or follow these religious work-restricted holy days are not permitted to engage in day-to-day occupations, work, or attend school, including taking examinations or performing other routine commitments. Observances/practices vary from culture to culture within and across denominations.

While there are no work-restricted holy days within the Christian faith by tenet, Easter and Christmas often are considered to be non-work days by custom.

Student Records

Privacy of Student Records (FERPA)

The University of Louisville hereby notifies students concerning the Family Educational Rights and Privacy Act of 1974. This act, with which the institution intends to comply fully, was designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate or misleading information. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office, Department of Education, concerning alleged failures by the institution to comply with the act.

The University has adopted a policy which explains the procedures to be used by the university for compliance with the provisions of the act and the regulations adopted pursuant thereto. Copies of the policy and other FERPA information can be obtained online at louisville.edu/library/archives/stupriv. Questions concerning the Family Educational Rights and Privacy Act may be referred to the Director, University Archives and Records Center, Ekstrom Library.

Student Information System

The Student Information System (SIS) is the electronic system that is used to register students and record their grades. It is from this system that transcripts are produced for students completing coursework at the university beginning with the 1982 fall semester.

Classification of Students

Undergraduate students are admitted to an undergraduate enrollment unit and classified as follows:

- **Full-time students:** students who are registered for 12 or more semester hours in a regular school session.
- **Part-time students:** students who are registered for fewer than 12 semester hours in a regular school session.
- **Regular students:** students who have satisfied the admissions requirements for the academic unit in which they are enrolled. Special students: students who do not satisfy the admissions requirements for the academic unit in which they are enrolled, but who are admitted by special consent.
- **Visiting students:** students regularly enrolled in other institutions who desire to register in one of the academic units of the University for one semester. Visiting students must be in good standing in their regular college or university.
- **Post-baccalaureate:** students holding baccalaureate degrees and taking further undergraduate work.

- **Auditors:** students enrolled in a class or classes on a noncredit basis.
- **Freshmen:** students who have fewer than 30 semester hours of credit.
- **Sophomores:** students who have 30 or more, but fewer than 60 semester hours of credit.
- **Juniors:** students who have 60 or more, but fewer than 90 semester hours of credit.
- **Seniors:** students who have 90 or more semester hours of credit but have not received baccalaureate degrees.

Change of Address

Students requiring address changes during and between terms can make the adjustments via the web through Ulink. Under the heading “Personal Information”, select “home and mailing addresses”, then select “edit.”

Students may also go directly to the registrar’s office, room 31, Houchens building, and submit their new address in person. Address changes will also be accepted by calling the registrar’s office at (502) 852-6522. Verification of student personal identification number will be required.

Email Notification

The university will use the university email system to remind students of some academic and financial deadlines as well as notification of canceled courses. Students are expected to check campus email regularly and are responsible for the information conveyed through university email.

Academic Grievances



The academic grievance procedure is designed to provide fair means of dealing with student complaints regarding a specific action or decision made by the faculty or a faculty member.

“Students who believe they have been treated unfairly, discriminated against, or have had their rights abridged may initiate a complaint or grievance within one year from the event.”

The Redbook, Section 6.8.1

Information on how to submit and pursue a grievance can be found in *The Redbook*, Section 6.8.1, and on the Student Grievance Officer’s website (<https://louisville.edu/dos/students/studentpoliciesandprocedures/student-grievance>).

Classification of Students



Undergraduate students are admitted to an undergraduate enrollment unit and classified as follows:

- **Full-time students:** students who are registered for 12 or more semester hours in a regular school session.
- **Part-time students:** students who are registered for fewer than 12 semester hours in a regular school session.
- **Regular students:** students who have satisfied the admissions requirements for the academic unit in which they are enrolled.
- **Special students:** students who do not satisfy the admissions requirements for the academic unit in which they are enrolled, but who are admitted by special consent.
- **Visiting students:** students regularly enrolled in other institutions who desire to register in one of the academic units of the University for one semester. Visiting students must be in good standing in their regular college or university.
- **Post-baccalaureate:** students holding baccalaureate degrees and taking further undergraduate work.
- **Auditors:** students enrolled in a class or classes on a noncredit basis.
- **Freshmen:** students who have fewer than 30 semester hours of credit.
- **Sophomores:** students who have 30 or more, but fewer than 60 semester hours of credit.
- **Juniors:** students who have 60 or more, but fewer than 90 semester hours of credit.
- **Seniors:** students who have 90 or more semester hours of credit but have not received baccalaureate degrees.

Code of Student Conduct



Code of Student Conduct

The university's Code of Student Conduct (<https://louisville.edu/dos/students/codeofconduct>) ("The Code") is the University's policy regarding non-academic discipline of students and student organizations. Academic dishonesty is not covered by this Code, but rather falls within the authority of the individual academic units of the University. Students have the responsibility to follow all regulations outlined in this policy.

The primary purpose for the Code in the university setting is to respond to incidents of non-academic misconduct in a way that is developmentally sound and which creates an environment in which all members of the academic community can live, work, and learn together. The Code is designed to provide educational guidance to those choosing to develop into good citizens and, at the same time, to respond appropriately to behavior which may be inconsistent with university policies.

Criminal and civil codes are undesirable models for student conduct codes. Unlike society, the University of Louisville is a voluntary association of scholars who demand and deserve a positive and special learning environment, as well as an approach for enforcing the community's standards. The University of Louisville is a community dedicated to the principles of free expression in which diverse views are encouraged and embraced. Opinions that may be unpopular and/or contrary to the University's values and objectives, but do not otherwise violate policy, will not be sanctioned.

The university's Code of Student Conduct is set forth in writing in order to give students general notice of non-academic prohibited conduct. The Code should be read broadly and is not designed to define non-academic misconduct in exhaustive terms. The Vice Provost for Student Affairs (VPSA) or designee is the final authority in defining and interpreting the Code of Student Conduct and conduct procedures. The university reserves the right to amend the Code of Student Conduct at any time.

The Code can be found at the Dean of Students website (<https://louisville.edu/dos/students/codeofconduct>) or by contacting the Dean of Students Office in SAC W301 or by phone at (502) 852-5787.

Code of Student Rights and Responsibilities



Code of Student Rights and Responsibilities

The Code of Student Rights and Responsibilities is set forth in writing to provide students with general notice of their rights and responsibilities at the University of Louisville. Further rights and responsibilities are set forth in other University rules and policies, including the Code of Student

Conduct, Student Handbook, Residence Hall contracts, graduate and undergraduate catalogs, and academic unit websites. It is the students' responsibility to be aware of all University rules and policies; students should check with the Dean of Students Office and with their academic units if they have any questions about the purposes or intent of these policies.

The Code of Student Rights and Responsibilities (<http://louisville.edu/dos/students/studentrightsandresponsibilities>) is located on the Dean of Students website (<https://louisville.edu/dos>).

Student Handbook

Other policies and information for students can be found in the online Student Handbook (<http://louisville.edu/dos/students/studentpoliciesandprocedures/student-handbook>).

Student Advocacy and Support

The Student Advocate helps students navigate educational, personal, and other campus obstacles that impact successful completion of their academic goals. The Student Advocate links students with appropriate university and community resources, and collaborates with faculty and staff in the best interest of the students and follows through to bring efficient closure to student concerns.

There are times when students may experience a number of different issues that impact their ability to be academically successful such as illness, death of an immediate family member, accident, critical issues such as sexual assault, harassment, domestic violence or other emergency situations. The Student Advocate works with students and their families to resolve the issue by identifying options and strategies and offering information and guidance. During difficult times, students should be empowered with the resources to make informed decisions and take a proactive role in the problem resolution process.

The Student Advocate is located in the Dean of Students Office, SAC W301. Please call (502) 852-5787 to schedule an appointment with the Student Advocate.

Student Grievance Officer

The Student Grievance Officer (<https://louisville.edu/dos/students/studentpoliciesandprocedures/student-grievance>) is responsible for informing students of their rights and obligations under the university grievance procedure. The Student Grievance Officer will seek to resolve informally as many grievances as possible. For assistance, please contact Dr. Joy Hart at joy.hart@louisville.edu or call (502) 852-6293.

Religious Days and Observances



Work-Restricted Religious Observances/Holy Days

Federal law and university policy prohibit discrimination on the basis of religious belief. It is the policy of the University of Louisville to accommodate students, faculty, and staff who observe religious work-restricted holy days.

Students who observe work-restricted religious holy days must be allowed to do so without jeopardizing their academic standing in any course. Faculty are obliged to accommodate students' request(s) for adjustments in coursework on the grounds of religious observance, provided that the student(s) make such request(s) in writing during the first two (2) weeks of the term.

Deans and department chairs must investigate and resolve student complaints arising from alleged faculty failure to make reasonable accommodations under these guidelines.

Faculty and staff supervisors are directed to accommodate requests for absence for work-restricted religious holy days, unless it would cause an undue hardship. Further, whether the holy days are work-restricted or not, supervisors of faculty and staff should be sensitive to requests for accommodations.

Definition of Religious Observance/Work-restricted Holy Day

A recognized denominational sacred or holy day that is observed by persons or groups who are required—through a set or system of religious beliefs, laws/doctrines, tenets, canons or theology—to restrict or limit work and/or physical or mental activity directed toward the production or accomplishment of something; toil; labor.

This definition may include academic endeavors (e.g., examinations, classroom activities and research, or out-of-classroom learning experiences).

There is a distinction between religious holy days, sectarian holidays, and ethnic holidays and festivals which are routinely celebrated in the United States of America—e.g., Christmas, Thanksgiving, New Year's Day—and religious work-restricted holy days which are based upon religious tenets, laws, and/or doctrine—e.g., Yom Kippur, portions of Ramadan, or a work-restricted Sabbath.

Individuals who observe and/or follow these religious work-restricted holy days are not permitted to engage in day-to-day occupations, work, or attend school, including taking examinations or performing other routine commitments. Observances/practices vary from culture to culture within and across denominations.

While there are no work-restricted holy days within the Christian faith by tenet, Easter and Christmas often are considered to be non-work days by custom.

Student Records



Student Records

Privacy of Student Records (FERPA)

The University of Louisville hereby notifies students concerning the Family Educational Rights and Privacy Act of 1974. This act, with which the institution intends to comply fully, was designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate or misleading information. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office, Department of Education, concerning alleged failures by the institution to comply with the act.

The University has adopted a policy which explains the procedures to be used by the university for compliance with the provisions of the act and the regulations adopted pursuant thereto. Copies of the policy and other FERPA information can be obtained online at louisville.edu/library/archives/stupriv. Questions concerning the Family Educational Rights and Privacy Act may be referred to the Director, University Archives and Records Center, Ekstrom Library.

Student Information System

The Student Information System (SIS) is the electronic system that is used to register students and record their grades. It is from this system that transcripts are produced for students completing coursework at the university beginning with the 1982 fall semester.

Change of Address

Students requiring address changes during and between terms can make the adjustments via the web through Ulink. Under the heading "Personal Information", select "home and mailing addresses", then select "edit."

Students may also go directly to the registrar's office, room 31, Houchens building, and submit their new address in person. Address changes will also be accepted by calling the registrar's office at (502) 852-6522.

Verification of student personal identification number will be required.

Email Notification

The university will use the university email system to remind students of some academic and financial deadlines as well as notification of cancelled courses. Students are expected to check campus email regularly and are responsible for the information conveyed through university email.

ACADEMIC UNIT INFORMATION



The University of Louisville has nine colleges and schools that offer degree programs at the undergraduate level:

- College of Arts and Sciences (p. 86)
- College of Business (p. 91)
- College of Education and Human Development (p. 94)
- J.B. Speed School of Engineering (p. 97)
- Kent School of Social Work (p. 101)
- School of Dentistry (p. 103)
- School of Music (p. 105)
- School of Nursing (p. 108)
- School of Public Health and Information Sciences (p. 110)

The Graduate School, Louis D. Brandeis School of Law, and the School of Medicine only offer credentials at the graduate and/or professional levels.

College of Arts and Sciences



College of Arts and Sciences

Gardiner Hall, 2nd Floor
University of Louisville
Louisville, KY 40292

Phone: (502) 852-6490
Email: asdean@louisville.edu

Website: louisville.edu/artsandsciences

Social: Facebook (<http://www.facebook.com/UofLArtsSciences>), Twitter (http://twitter.com/UL_ArtsSciences), Flickr (<http://www.flickr.com/photos/artsandsciences>)

About the College

A college of arts and sciences is central to the fulfillment of the purposes of higher education. Undergraduate study in a liberal arts college is designed to develop the whole person through the free inquiry that trains the mind for critical analysis and aesthetic appreciation. A liberal education begins with introductory studies in the natural sciences, social sciences, and humanities; its end is the development of the intellect to its full potential. Liberal education is a lifelong endeavor, and the goal of a college of arts and sciences is to ensure that the opportunities exist for a substantial beginning to this process.

The College of Arts and Sciences (<http://louisville.edu/a-s>) of the University of Louisville is founded on these traditional principles, interwoven with the special role of an urban university. As the college which offers the most comprehensive undergraduate programs and several graduate programs, the College of Arts and Sciences has an integral role in the fulfillment of the university's mission by integrating urban-related courses within the foundation of a liberal education.

The theoretical and practical knowledge in the College's baccalaureate programs is generally regarded as excellent preparation for many careers that do not require professional or advanced degrees and is the academic foundation for most students who enter master's and doctoral graduate programs. The College also provides the liberal arts academic base for students who later attend the professional schools. In addition to the undergraduate curriculum, most departments in the College offer programs leading to the master's degree and eleven departments offer doctoral degrees.

A university is expected to advance the theories and application of knowledge. This expectation is fulfilled primarily by the creative research of its faculty. This creativity is related directly to the role of teacher, for it ensures that the College's students learn from enthusiastic and excellent faculty members who advocate the principle of lifelong inquiry.

The College's allegiance to the traditions of a liberal education does not end with the preservation of its history or its traditional programs. The vitality of the College is found in its continuing re-examination of itself, and in its willingness to change when change would further the welfare of its students, its faculty, and its community.

Structure

The College of Arts and Sciences has a division of humanities, a division of natural sciences, and a division of social sciences. These divisions represent the disciplines which collectively make up the liberal arts and sciences. Each division contains departments which offer programs in specific disciplines. In addition to these departments, the College has a number of interdisciplinary programs which involve faculty and coursework from several disciplines.

Departments and Programs of the College of Arts and Sciences

Humanities Division	Natural Sciences Division	Social Sciences Division
Classical and Modern Languages (http://louisville.edu/modernlanguages)	Aerospace Science (http://louisville.edu/afrotc)	Anthropology (http://louisville.edu/anthropology)
Comparative Humanities (http://louisville.edu/humanities)	Biology (http://louisville.edu/biology)	*Asian Studies (http://louisville.edu/asianstudies)
English (http://louisville.edu/english)	Chemistry (http://louisville.edu/chemistry)	Communication (http://comm.louisville.edu/department)
Fine Arts (http://louisville.edu/art)	Mathematics (http://www.math.louisville.edu)	Criminal Justice (http://louisville.edu/justice)
Philosophy (http://louisville.edu/philosophy)	Military Science (http://louisville.edu/armyrotc)	*Geography and Geosciences (http://louisville.edu/geography)
Theatre Arts (http://louisville.edu/theatrearts)	*Neuroscience (http://louisville.edu/psychology)	History (http://louisville.edu/history)
	Physics and Astronomy (http://www.physics.louisville.edu)	*Latin American and Latino Studies Program (http://louisville.edu/latinamericanstudies)
		*Pan-African Studies (http://louisville.edu/panafricanstudies)
		Political Science (http://louisville.edu/politicalscience)
		Psychological and Brain Sciences (http://louisville.edu/psychology)
		Sociology (http://louisville.edu/sociology)
		*Sustainability (http://louisville.edu/upa/programs/bachelors-of-sustainability)
		Urban and Public Affairs (http://supa.louisville.edu)
		*Women's, Gender, and Sexuality Studies (http://louisville.edu/wgs)

* Interdisciplinary discipline or program, which may cross-count in other divisions.

Arts & Sciences Administration

The complete and up-to-date list of Arts & Sciences leadership (<https://louisville.edu/artsandsciences/about/deans-staff>) is located on the Arts & Sciences website.

Faculty and Departmental Information

The complete and up-to-date list of departments (<http://louisville.edu/artsandsciences/about/structure-and-divisions>) can be found on the Arts & Sciences website.

Advising Services

Please see the section of the catalog related to Academic Advising. To determine if you have an advising hold, please check your ULink account, under the student services tab, and click on the "holds" link.

Information for Students

Academic Bankruptcy and Forgiveness & Fresh Start

Academic Bankruptcy and Forgiveness (p. 66) policies allow students who are returning to college after an absence of two or more years to request the adjustment of their records for one or more entire semesters of previous college work, provided certain criteria are met. View information on Academic Bankruptcy and Forgiveness (p. 66) and the Fresh Start (p. 67) policy.

Student Discipline and Grievance Policies

It is the student's responsibility to read the catalog and official announcements, to be informed about his/her own grades, credits, degree requirements, and quality points, and to abide by the regulations of the University and the College.

Official Notices

All students must respond to official notices issued by administrative officers and instructors, whether these notices be posted on official bulletin boards or sent through electronic or postal mail. Failure to comply with this regulation may lead to suspension from the College.

Academic Grievance Procedure

The College of Arts and Sciences follows the procedures for academic grievance as stated in this catalog and as published in The Redbook, Chapter 6, Article 8 (<http://louisville.edu/provost/redbook/chap6.html#ART68>). Any student considering filing such a grievance must consult with the Arts & Sciences Advising Center (<http://louisville.edu/artsandsciences/advising>) for advice and information.

Statement of Academic Discipline

In accordance with The Code of Student Rights and Responsibilities (<http://louisville.edu/dos/students/code-of-student-conduct.html>), academic dishonesty is prohibited at the University of Louisville. Both faculty and students thought it important to express clearly, in advance, the standards to which the College adheres. The Statement of Academic Discipline printed below is the result of their effort and serves as the College's official statement.

Questions which do arise are reviewed by a joint student-faculty committee, which advises the student and faculty concerned. The student's rights to review and appeal are scrupulously observed, and minutes of all meetings are confidential.

I. Introduction

As members of the academic community, both students and faculty are expected to recognize and to uphold standards of intellectual integrity. The College assumes as a minimum standard of conduct in academic matters that the student is honest; credit for courses is given and received on the assumption and condition that all work submitted represents the student's own efforts.

Unfortunately, cheating and plagiarism do occur. The pressure for grades is often great, and opportunities for dishonesty exist. Nevertheless, both the ideals of scholarship and the need for practices which are fair to all students demand that all dishonest work be rejected as a basis for academic credit. The definitions and guidelines given below are intended to clarify the standards by which academic work is to be measured.

II. Definitions

Cheating on examinations consists of any of the following: 1) borrowing someone's answers; 2) providing answers to someone; 3) using unauthorized materials during the examinations.

Except when otherwise explicitly stated by the instructor, examination questions shall become public property after they have been given.

Plagiarism, in submitting individual work for academic evaluation, means simply to borrow someone's ideas without citing the source, and to use them as one's own. It is a particular type of cheating. Plagiarism in this sense is not limited to the use of direct quotations without citation; a paraphrase is indebted to the author's ideas just as a direct quotation is. Nor is plagiarism limited to the use of published materials; borrowing from the written or oral work of others without citation is equally dishonest. On the other hand, in every area of learning there is a body of knowledge which belongs to the public domain. Guidance and experience may be necessary in order to distinguish where the requirement to cite a source no longer applies. The instructor or perhaps a style manual may be helpful in resolving questions about what should be cited.

III. Guidelines for Instructors

Instructors have at least two roles to play in maintaining proper standards of academic conduct: to assist their students in recognizing the way in which general standards apply in the context of a particular course or discipline, and to take practical steps to prevent cheating and detect it when it occurs. Specific guidelines should be followed:

- That instructors take the time to inform students of the standards of conduct expected of them with regard to assignments and examinations.
- That practical measures be taken to minimize opportunities for dishonesty; e.g., adequate proctoring, the use of alternate forms of an examination if seating is crowded.
- The practice of giving identical examinations to different classes, whether separated in time by ten minutes or by a semester, invites cheating. When there are good reasons for such repetition, appropriate security precautions should be taken.
- The repeated assignment of the same material for papers or homework invites plagiarism. When assignments are repeated, students should be informed that the unauthorized reliance on earlier papers is forbidden and that the instructor has effective means of detecting same.
- That the instructor specifies with regard to assignments the degree to which students may confer and cooperate in achieving answers.
- The College does not operate on an honor system. If within a particular class an instructor wishes to institute such a system, the students should be clearly informed of their responsibilities.

IV. Guidelines for Students

Recognizing his/her responsibility as a member of the academic community, the student should strive to maintain intrinsically honest academic conduct. The student must seek to avoid any action which would compromise academic integrity. To ensure both the fact and the appearance of proper conduct, the student should follow these basic guidelines:

- During examinations, the student must be careful to do nothing that can be construed as cheating. The student shall follow carefully all directions given by the instructor with regard to taking tests and completing assignments.
- The instructor's request to keep test questions private shall be honored by the student.
- If the student is aware of practices by the instructor which are conducive to cheating, or of acts of cheating by students, he/she may convey this information either to any member of the student-faculty review committee (see section "V. Procedures") or directly to the instructor.
- Learning the proper methods of documentation and scholarship is also the student's responsibility. Such knowledge will help avoid committing plagiarism unwittingly.

V. Procedures

As evidence of the seriousness with which the College regards these matters, a student-faculty review committee, the Student Grievance and Academic Discipline Committee, has been established to assist in dealing with violators. The Student Grievance and Academic Discipline Committee also exists to protect the student's right to a fair and impartial hearing. To ensure its effectiveness, the faculty should view it as the primary channel through which such problems can be resolved. The faculty member who believes a problem of cheating or plagiarism exists should first confront the student or students involved and attempt to resolve the matter. A report of the facts of the case and any decision which was made should be sent by the professor to the Dean or his/her designee. During this initial encounter the faculty member should inform the student of his/her right to appeal an unfavorable decision to the committee. The faculty member has the authority to address and sanction dishonest acts as most appropriate for the course and type of dishonesty that occurred. If it is determined during the reporting process that the student has previously violated this policy, the committee will be convened to review the incident and a statement from the student. The committee will then recommend to the Dean whether the faculty member has issued a fair sanction, further disciplinary action should occur, or if a hearing with the individual student should be held. Subsequent offenses may result in a recommendation to the Dean to suspend or dismiss the individual from the College. All final actions taken by the Dean that result from faculty or committee recommendations shall be entered in the student's record. This committee is comprised of three students, selected by a nominating committee of the Student Council and/or of the Graduate Network in Arts and Sciences; three faculty members, representing the three divisions of the College, elected by the faculty; and a representative of the Office of the Dean of the College, *ex officio*.

Written statements shall be made by both parties and made available to both parties and the committee prior to any oral testimony. Any refutations may be made in writing or orally at the hearing. Evidence not submitted in the original written statements will not normally be accepted at the oral hearing.

All evidence in writing before the committee in a case shall be available to the principals. The committee shall hear such cases as come before

it and allow the student to speak on his or her own behalf and to present evidence and witnesses. Further, the burden of proof rests with the person making the charge.

The committee may adopt additional principles or procedures as seem appropriate. Such changes, however, should be presented to the faculty for approval.

Any student who believes the processing or final disposition of a charge of academic dishonesty was unfair may initiate a grievance under the Academic Grievance Procedure as outlined in this catalog.

Students should be aware that all recorded instances of Academic Misconduct are retained by the Dean's Office for five years after the time the student separates from the university. Should it be requested, this information will be provided to any graduate or professional school to which the student applies.

Code of Faculty Responsibilities

1.0 Applicability

This code shall apply to all faculty members associated with the College of Arts and Sciences of the University of Louisville and to all graduate students and other personnel having teaching or research assignments in that school, hereinafter referred to as the teaching and research personnel.

2.0 Responsibilities

The teaching and research personnel of the College of Arts and Sciences hereby subscribe to the following specific responsibilities:

2.1 General Relations

2.11. The teaching and research personnel shall respect the rights of all members of the University community to pursue their academic and administrative activities, provided these activities do not contravene academic freedom. They retain the right to criticize and seek revision of these activities.

2.12. They shall respect the rights of all members of the University community to free and orderly expression.

2.13. They shall respect the right of any member of the University community to privacy and confidentiality. This right guarantees freedom against violation without consent of assigned physical premises, such as carrels and office space; and also against nonphysical transgressions, such as the unwarranted, improper or false disclosure of a person's political, religious or social views or activities.

2.14. They shall respect the student's right of confidentiality regarding grades.

2.15. They shall respect the rights of all persons of the University community to be free from sexual harassment.*

2.2 Student Relations

2.21. The teaching and research personnel shall uphold the student academic rights as set forth in the Student Bill of Rights adopted by the College on March 1, 1971.

2.22. They shall make known, in writing, as soon as possible during the first week of instruction, their expectations for the course

as to assignments, methods of evaluation, and student course participation.

2.23. They shall present the subject matter of a course as published in the catalog, and shall avoid the persistent intrusion of material which has no relation to the subject.

2.24. They shall meet classes as scheduled in accordance with university regulations. Absences caused by illness, emergencies, personal responsibilities, or religious observances are excusable but must be reported to the Department Chair, in advance, if possible. Absences owing to professional obligations such as attendance at scholarly meetings or occasional professional service are excusable absences which nevertheless require prior notification of the Department Chair. In the case of anticipated absences, a qualified substitute, or provisions for additional assignments or alternate activity should be arranged.

2.25. They shall make themselves available for advising students by observing posted office hours, and by allowing students to arrange for appointments at other mutually convenient times.

2.26. They shall learn the academic requirements and various degree programs of the University affecting students whom they advise.

2.27. They shall arrange for appropriate interaction and communication with graduate students in the direction of their theses.

2.28. They shall provide students with an evaluation of their completed work within a reasonable period of time, and allow them access to their own papers, quizzes, and examinations.

2.29. They shall give final examinations, when these are required as part of the evaluation of the student, in accordance with schedules and procedures adopted by the College.

2.30. They shall give due acknowledgement to students who contribute to faculty efforts toward professional or personal advancement.

2.31. They shall respect the student's right to decline participation as a research subject in, or to withdraw from, a particular experiment without prejudice to his/her grade. Alternate experiences or exercises shall be provided to assure the equivalent in educational value to those students who wish not to participate as research subjects. Departments which use human subjects in experiments shall adhere to such code of ethics as are established within their respective professions.

Specifically:

2.31.1. Experimenters shall inform human subjects about the nature of each particular experiment so that they can make an informed choice to participate or not.

2.31.2. Experimenters shall keep the results of an experiment and the identity of the human subjects, who participate in it, separate, and the latter, confidential.

2.32. Teaching and research personnel shall respect the rights of all students to be free from sexual harassment.*

* Sexual harassment is here used as defined by current university policy.

Undergraduate Programs

A

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- Aerospace Studies (Minor) (p. 436)
- American Sign Language Interpreting Studies (BS) (p. 113)
- Anthropology (BA) (p. 116)
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B

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C

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E

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F

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G

- Geography (Minor) (p. 447)
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H

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I

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J

- Jewish Studies (Minor) (p. 450)

L

- Latin American and Latino Studies (BA) (p. 238)
- Latin American and Latino Studies (Minor) (p. 451)
- Leadership (Minor) (p. 452)
- LGBTQ Studies (Minor) (p. 453)
- Linguistics (Minor) (p. 453)

M

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N

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P

- Pan-African Studies (BA) (p. 365)
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R

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S

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- Sustainability (BA) (p. 419)

T

- Theatre Arts (BS) (p. 421)
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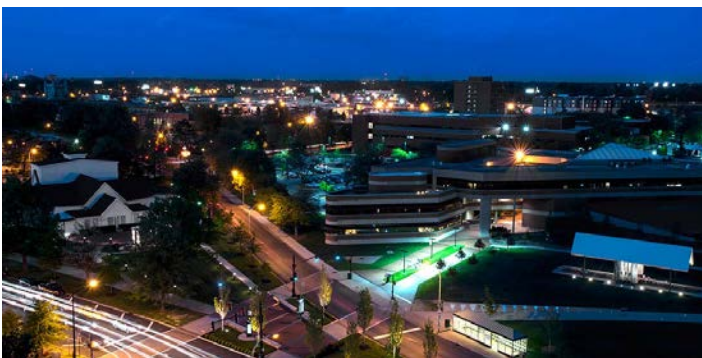
U

- Urban and Regional Analysis (Minor) (p. 464)

W

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College of Business

**College of Business**

Harry Frazier Hall
University of Louisville
Louisville, KY 40292

Phone: (502) 852-6440

Email: business@louisville.edu

Website: louisville.edu/business

Social: Facebook (<http://www.facebook.com/UofLCollegeofBusiness/#/>),
Twitter (<https://twitter.com/UofLBiz>)

About

The College of Business was founded in 1953. Our business degree programs are accredited by AACSB International - The Association to

Advance Collegiate Schools of Business. Our accountancy program is one of a select group with additional AACSB accreditation. Our equine industry program is the only one in the world housed in an AACSB accredited college. Our Global MBA, offered in partnership with Akademie Wuerth Business School in Germany, is accredited by the Foundation for International Business Administration Accreditation (FIBAA).

Louisville is a great place to study business, because it's where most business in Kentucky happens. Our students, graduates and faculty interact with businesses in Louisville, elsewhere in Kentucky and the United States, as well as in Europe, Asia-Pacific and Central America—all regions where we have graduates. Our Louisville campus includes students from more than 100 countries, almost all 50 states and all 120 Kentucky counties.

Each year we serve approximately 1900 undergraduate students and 300 graduate students with about 80 full-time faculty. We are nationally recognized as a metropolitan research institution and the leading entrepreneurial business college in the region.

We educate future corporate, public and non-profit sector leaders, and entrepreneurs determined to start their own business or help re-invent an existing corporation. Many of our graduates stay in this region and help it prosper; others are spread across the nation and the world.

Our students have access to a great variety of grants, scholarships and financial aid, including scholarships for international travel.

To enhance teaching and learning, our students and faculty also have access to highly sophisticated university-based telecommunications and computer information systems.

The modern, well-furnished College of Business building is located on the University of Louisville's Belknap Campus near the downtown business district. It houses comfortable, technologically advanced classrooms, a large auditorium, a variety of attractive meeting rooms, advising services housed in the Reinhardt Academic Center, and the Ulmer Career Management Center, which provides advanced career services to College of Business students and alumni for life.

Many of our graduate and undergraduate programs are highly ranked in national and international listings of excellence. See the current rankings at the College of Business website (<http://business.louisville.edu/rankings>).

Or, please see our full website (<http://louisville.edu/business>) for a complete listing of our ratings, accreditation, and other noteworthy achievements.

College of Business Administration

The complete and up-to-date organizational chart for the college (<http://business.louisville.edu/wpprod/images/COBOrgJanuary-2018.pdf>) is located on the Business website.

Faculty and Departmental Information

The complete and up-to-date list of departments and faculty (<http://business.louisville.edu/faculty-and-staff-directory>) is located on the Business website.

About the Program

Advising Services

The College of Business employs a staff of professional advisors in the Reinhardt Academic Center (<http://louisville.edu/advising/centers/business>) to assist students in the development of meaningful educational plans. We take our mission very seriously. We are committed to helping you in the development of a rewarding program of study and a challenging educational plan.

We encourage you to take responsibility for your own learning, and are available to assist you in appropriate course selection, interpreting policies and procedures and monitoring your academic performance and progress toward degree completion. At the end of your coursework, we will conduct a degree check verifying that all program requirements have been completed—and then on to graduation! The academic counselors at the advising center are also available to refer you to appropriate university resources including tutoring, counseling and career services.

Academic Forgiveness & Fresh Start

Academic Forgiveness and Fresh Start policies allow students to request the adjustment of their records for one or more entire semesters of previous college work, provided certain criteria are met. Students should see the Academic Forgiveness and the Fresh Start (p. 67) policy.

Student Academic Rights and Responsibilities

Every student is expected to be thoroughly familiar with the University's Code of Student Rights and Responsibilities and Student Conduct (p. 81).

Every student is responsible for reading the academic policies in the Undergraduate Catalog and official announcements of the College of Business and for abiding by such regulations. Specifically, every student is responsible for knowing the grade point averages and program requirements needed for graduation. Students are encouraged to see a COB academic advisor to clarify any questions or concerns.

Along with preparing for and attending class, each student has the responsibility to promote high academic standards. Students are expected to cooperate in all classes with faculty members to achieve an optimal learning environment. Inappropriate classroom behavior may result in the student being withdrawn from the course, and potentially assigned academic penalties. Inappropriate classroom behavior will be dealt with in the same manner as academic dishonesty.

Academic Dishonesty

The COB has a strong policy of academic discipline for action against students who commit academic dishonesty or conduct themselves inappropriately in the classroom. A proven case of academic dishonesty will normally result in the student being denied admission to or dismissed from the COB.

Academic dishonesty is defined by the Code of Student Conduct. Its definition pertains to but is not limited to cheating, fabrication, falsification, multiple submission, plagiarism, and complicity. It is the student's responsibility to maintain high standards of ethical conduct, and intellectual integrity and to be familiar with the definition of academic dishonesty.

As evidence of the seriousness with which the COB regards these matters, academic dishonesty allegations are handled in accordance with COB Procedures for Dealing with Academic Dishonesty.

Procedures for Dealing with Academic Dishonesty

1. When an academically dishonest event is discovered, it is the faculty member's responsibility to determine the appropriate course of action, the associated academic penalty, and to inform the student in a timely fashion of the academic dishonesty allegation. It is the faculty member's responsibility to determine the academic penalty and if an informal or a formal course of action is required. Academic penalties are imposed by the faculty member. The severity of academic penalty is commensurate with the academically dishonest event, and include penalties such as:
 - a. Resubmission of an alternative assignment or test
 - b. F grade on the assignment/test
 - c. F for the course grade
2. In cases where an academically dishonest event is deemed inadvertent or inconsequential, the faculty member may choose to resolve the academically dishonest event informally with the student. The informal discourse between the faculty member and the student should address the seriousness in how the COB views academic dishonesty, inform the student that it is their responsibility to know what constitutes academic dishonesty, and inform the student that any future academic dishonesty will not be tolerated. Academic penalties in this case should not have a material impact on the student's final grade in the class.
3. In cases where an academically dishonest event requires a material academic penalty, such as assigning an F for a major assignment/test, the faculty member may resolve the matter directly with the student. In this case within a timely and reasonable period, the faculty member must inform the student of the academic dishonesty allegation and present to the student a letter stating the allegation, documenting any associated evidence, and detailing the academic penalty. The faculty member must inform the student that the letter will be placed on permanent file in the COB's Dean's Office, and that any subsequent academic dishonesty will likely result in administrative penalties, (see 4f). If the student agrees to the terms of the letter as evidenced by the student's signature on the letter, the faculty member shall forward a copy of the letter to the Department Chair. The Department Chair shall deliver the letter to the Dean's Office and review the academic dishonesty file to determine if the student has committed any previous acts that may require further administrative penalties. The Department Chair shall report to the Dean of the COB if further action is needed.
4. When procedures outlined in the preceding paragraph are inappropriate, insufficient or unacceptable to either the faculty member or the student the following formal procedures provide due process.
 - a. Except under extraordinary circumstances, within ten school days of informing the student of the alleged academic dishonesty event, the faculty member will prepare a written statement that describes and documents the academic dishonesty allegation. The statement must include all supporting evidence, and the faculty member's recommended academic penalties. The faculty member's statement is to be submitted to the Faculty Co-Chair of the Undergraduate Studies Committee, (hereafter referred to as Co-Chair).
 - b. Except under extraordinary circumstances, within fifteen school days of receiving the faculty member's statement,

the Co-chair will provide to the student through registered mail a letter detailing the academic dishonesty allegation. This correspondence will include notice that a hearing to investigate the academic dishonesty allegation is to be scheduled at the earliest possible convenience for all persons involved.

- c. The hearing will be organized and administered by the Co-chair. The Co-chair will appoint a hearing committee, which will consist of the Co-chair plus two COB faculty members that are currently serving on the Undergraduate Studies Committee. The student may be assisted at the hearing by an academic student advisor of his/her choosing. A request for student advisor assistance must be made through written communication to the Co-chair.
- d. The student may waive the right to the hearing by admitting to the charge of academic dishonesty in a signed written statement delivered to the Co-chair of the Undergraduate Studies Committee prior to the date of the hearing.
- e. At the hearing, the faculty member and the student will each be provided an opportunity to present oral testimony, written evidence, and any other evidence. The burden of establishing the student's guilt is the responsibility of the faculty member making the allegation.
- f. Except under extraordinary circumstances, within fifteen school days of the hearing, the hearing committee will render a decision on the academic dishonesty allegation and produce a written report of its findings. The Co-chair will notify the student and faculty member in writing of the hearing committee's findings. If the student is found to be guilty of the allegation, academic penalties will be imposed, and if appropriate, administrative penalties will be recommended. The hearing committee's decisions on academic penalties are final. All guilty findings will be placed on file under academic dishonesty events with the COB Dean's Office. In the case of a guilty finding the Co-chair will review the file of academic dishonesty events to determine if this is a first or a repeat offense. A repeat offense will likely result in a recommendation for administrative penalties. Administrative penalties in the case of suspension or expulsion from the COB are imposed by the Dean of the COB, or by the Provost in the case of suspension or expulsion from the University.
- g. In the case of recommended administrative penalties, the Dean of the COB shall review the hearing committee's report and issue a decision regarding imposing COB administrative penalties and whether any University-wide penalties will be recommended to the Provost. Except under extraordinary circumstances, within 15 school days of receiving the hearing committee's report, the Dean of the COB shall notify the student, the faculty member originating the academic dishonesty allegation, and the Co-chair of the hearing committee of its decision. The Dean of the COB shall forward any recommended University-wide penalties to the Provost.
- h. If the student fails to appear before the hearing committee, the hearing will be held in the student's absence and a final decision rendered. If the faculty member making the allegation of academic dishonesty fails to appear, the charges will be dropped. Unforeseen and uncontrollable

events that prevent an individual's appearance at the hearing will be considered prior to making a final decision.

- i. In the case where multiple students are involved with the academic dishonesty allegation, each student will be dealt with individually, but the composition of the hearing committee will remain the same for all students involved with the alleged event.
- j. Any student who believes the processing or final disposition of a charge of academic dishonesty was unfair may initiate a grievance under the Academic Grievance Procedure as defined in the Academic Policies and Procedures of the Undergraduate Catalog.

Student Grievances

Students who wish to pursue grievances of any kind may consult with the Student Grievance Officer or the Associate Dean for Undergraduate Programs in the College of Business who will apprise the student of the policies and procedures regarding grievances. Detailed information on how to submit and pursue a grievance can be found on the Dean of Students website (<http://louisville.edu/dos/help/studentgrievance>).

Undergraduate Programs

A

- Accounting (CAC) (p. 466)

B

- Business Administration (Minor) (p. 440)
- Business Administration in Accountancy (BSBA) (p. 145)
- Business Administration in Computer Information Systems (BSBA) (p. 148)
- Business Administration in Equine Business (BSBA) (p. 152)
- Business Administration in Finance (BSBA) (p. 154)
- Business Administration in Marketing (BSBA) (p. 156)
- Business Economics (BS) (p. 159)

C

- Computer Information Systems (Minor) (p. 442)

E

- Economics (BA) (p. 202)
- Economics (Minor) (p. 443)
- Entrepreneurship (Minor) (p. 444)
- Equine Business (CEA) (p. 466)
- Equine Business (Minor) (p. 445)

F

- Finance (Minor) (p. 446)

I

- International Business (Minor) (p. 449)

M

- Management (Minor) (p. 454)
- Marketing (Minor) (p. 454)

P

- Philosophy, Politics, and Economics (Minor) (p. 457)

College of Education and Human Development



College of Education and Human Development
1905 South 1st Street
Woodford and Harriett Porter Building
University of Louisville
Louisville, KY 40292

Phone: (502) 852-5597
Email: education@louisville.edu
Website: louisville.edu/education
Social: Facebook (<http://www.facebook.com/uofleducation>), Twitter (<https://twitter.com/UofLCEHD>)

About the College

The College of Education and Human Development (CEHD), established in 1968 as the School of Education, is a college whose mission is to promote and strengthen the professional development of individuals concerned with education and human resource development in a variety of urban settings such as schools, colleges and universities, private and corporate organizations, and government agencies. This is done by conducting research, providing service, and preparing teachers, administrators, training and development specialists, and professionals in sport management, mental and physical health, and student affairs. In 2000, the name was changed to the College of Education and Human Development, to more accurately reflect the College's mission and programs. As an urban institution, the College is particularly concerned with improving the education and quality of life for persons of all ethnic and cultural backgrounds. The administration, faculty, and staff are committed to working with other university personnel and practitioners in carrying out this mission.

As one of five Commonwealth Centers of Excellence and the only one in education, the College of Education and Human Development offers programs, which are:

- Based upon established knowledge bases that incorporate urban and global perspectives as well as current understanding of best professional practice;
- Consistent with the philosophical standards and ethical practices of relevant professional associations;
- Available to qualified individuals without regard to ethnicity, age, religion, gender, sexual orientation, disability, or national origin;
- Future oriented and open to change on the basis of inquiry and experimentation as well as the needs and expectations of those we serve;

- Rooted in the assumption that members of our faculty and staff are continuing learners who model the practices they teach, including the use of current information technologies; focused upon collaborative approaches to address the concerns of those we serve.

Structure

The College of Education and Human Development provides courses and other experiences designed to prepare professionals in school and non-school settings. It offers curricula leading to the Bachelor of Science degree in early elementary education, middle and secondary education, health and human performance, sport administration, and organizational leadership and learning.

The College of Education and Human Development also offers minors in exercise science and sport administration to support the degree programs of students both within the College of Education and Human Development and those pursuing a degree through another college/school at the University.

College of Education and Human Development Administration

The complete and up-to-date list of Education leadership and administration (<http://louisville.edu/education/about/administration>) is located on the CEHD website.

Faculty and Departmental Information

The complete and up-to-date list of departments and faculty (<http://cehddirectory.louisville.edu>) is located on the CEHD website.

Academic Advising

Education Advising and Student Services (EASS) is located in Room 140 of the Porter Education Building and is open Monday through Friday, 8:00 am to 5:00 pm. EASS provides prospective and current students with excellent academic advising, consistent and accurate program information, and services related to registration, financial aid, and admissions.

Please call (502) 852-5597 or email edadvise@louisville.edu to schedule an undergraduate advising appointment, to ask questions concerning enrollment and student services, or information regarding application to one of many programs offered by the College of Education and Human Development.

About the Programs

Academic Grievance Procedure

The College of Education and Human Development follows the procedures for academic grievances (p. 82) found in this catalog and as published in *The Redbook*, Chapter 6, Article 8. Any student considering filing such a grievance should consult with the Student Grievance Officer or the Assistant Dean for Student Services of the College of Education and Human Development, who will apprise the student of the policies and procedures regarding grievances.

Students of the College of Education & Human Development can contact Assistant Dean of Student Services, Dr. Margaret Pentecost (<http://louisville.edu/cgi-bin/uofl.mail?margaret.pentecost>), (502) 852-2628, for questions, concerns, and reports of student conduct, complaints, and grievances.

Statement of Policy and Procedures with Respect to Academic Integrity

A primary goal of the College of Education and Human Development is to educate men and women who will serve the education community with competence and integrity. To this end, the faculty considers academic honesty on the part of students of paramount importance. At another level, the trust existing between faculty and students must not be tainted with suspicion of dishonesty. Academic dishonesty is defined in the Code of Student Rights and Responsibilities. In the event that a student believes the following procedures for handling allegations of academic dishonesty have resulted in an injustice, that student may seek counsel from the Student Grievance Officer.

Procedures for Dealing with Breaches of Academic Integrity

1. A faculty member who believes that a student has committed an act of academic dishonesty shall, after checking with the clearinghouse to determine if the student has been found guilty of such acts previously, prepare a written statement that specifies the charge and that proposes the penalties to be imposed on the student. The proposed penalties shall be described as either:
 - a. Academic penalties, which are penalties associated with the class in question, such as resubmission of or alternate assignments, F on the assignment, F for the course, etc.; or
 - b. Administrative penalties, which are suggested penalties to be imposed by the Dean or Provost, such as suspension or expulsion from the College of Education and Human Development or the University.
2. The faculty member shall meet with the student in person and in private, at which time the faculty member shall:
 - a. Explain the basis for the allegation;
 - b. Give the student a copy of the written statement of the charge and proposed penalties; and
 - c. Give the student a copy of these procedures.
3. The student shall either admit or deny the charge of academic dishonesty in writing no later than one week after the meeting with the faculty member. If the student does not meet this deadline, the student will be deemed to have denied the charge.
4. If the student admits the charge, any proposed academic penalties shall be implemented by the faculty member. The faculty member shall then forward the Statement of Charges and proposed administrative penalties, if any, the student's admission of guilt, and a statement of the academic penalties imposed, if any, to the Dean.

The Dean shall review the documents and shall issue a decision, within 15 school days, regarding whether any administrative sanctions shall be imposed on the student by the College of Education and Human Development, and whether any University-wide administrative sanctions will be recommended to the Provost. The Dean shall notify the student, the faculty member, the department chair, and the Associate Dean of this decision. The Dean shall forward any recommended University-wide administrative sanctions to the Provost.

5. If the student denies the charge, the faculty member shall forward the statement of the charge and proposed penalties to the department chair, or, if the department chair is the faculty member making the allegation, to the Associate Dean. The department chair or the Associate Dean shall schedule a hearing.

Notice of the hearing shall either be hand-delivered or sent by Registered U.S. Postal Service to the student, at the address listed with the Registrar's Office, and to the faculty member via inter-office mail. The notice should be sent at least 10 school days prior to the hearing. The notice should state the time, date and place of the hearing and contain a copy of the original statement of the allegations.

At the hearing, the professor and the student will each be provided an opportunity to present oral testimony and written evidence. The burden of establishing the student's guilt rests with the professor, who must do so by a preponderance of the evidence. A student may be assisted at the hearing by an advisor of his/her choosing. However, that person will not be permitted to speak on behalf of the student at the hearing. If the student fails to appear after proper notice, the hearing will be held in the student's absence and a final decision rendered.

After the hearing, the chair or the Associate Dean, as appropriate, will render a decision. Decisions of academic penalties will be final. Additional administrative penalties recommended will be forwarded to the Dean with all materials submitted at the hearing, including a brief, written statement of reasons for the finding.

The Dean will consider the recommendation. Within 10 school days, the Dean will make a decision and notify the student, the professor, and the department chair or Associate Dean of the final action taken in the case. Notice of the decision will also be sent to the Office of the Provost. If the Dean's decision is not timely, the recommendation is voided and the action is dismissed.

Instructional Modification

Students with disabilities, who need reasonable modifications to complete assignments successfully and otherwise satisfy course criteria, are encouraged to meet with the instructor as early in the course as possible to identify and plan specific accommodations. Students may be asked to supply a letter from the Disability Resource Center or other documentation, which will assist in planning modifications.

Diversity

Diversity is a shared vision for our efforts in preparing teachers, administrators, school counselors and other professionals. Students will be encouraged to investigate and gain a current perspective of diversity issues (race, ethnicity, language, religion, culture, socioeconomic status, gender, sexual identity, disability, ability, age, national origin, geographic location, military status, etc.) related to their chosen fields. Students will also have the opportunity to examine critically how diversity issues apply to and affect philosophical positions, sociological issues, and current events in a variety of areas. Students will examine their belief systems and be encouraged to reexamine and develop more grounded beliefs and practices regarding diversity.

Student Teaching/Field Experiences

In all phases of the Developmental Teacher Preparation Model, candidates participating in field and clinical experiences must abide by all policies, rules, and regulations of the University and the assigned school. Failure to abide by standards of conduct and performance established by the faculty may result in the removal from the program. Student teaching requires a minimum 15-week clinical experience in school setting(s) related to the teaching certificate a teacher candidate is seeking. Teacher candidates work with a cooperating teacher and University Supervisor participating in the work of teaching. Placement

in student teaching is contingent upon the applicant's successful completion of required program coursework and assessments, and faculty recommendation. Evaluation is based on Kentucky Teacher Standards and Professional Code of Ethics.

Academic Forgiveness & Fresh Start

Academic Forgiveness policies allow students to request the adjustment of their records for one or more continuous semesters of previous college work, provided certain criteria are met. Additional information on Academic Forgiveness and Fresh Start policies can be found in this catalog (p. 64).

Undergraduate Programs

- Community Health (Minor) (p. 442)
- Early Elementary Education (BS) (p. 191)
- Exercise Science (Minor) (p. 445)
- Health and Human Performance (BS) (p. 216)
- Middle/Secondary Education (BS) (p. 250)
- Organizational Leadership and Learning (BS) (p. 362)
- Organizational Leadership and Learning, Healthcare Leadership (BS) (p. 364)
- Sport Administration (BS) (p. 416)
- Sport Administration (Minor) (p. 463)

Continuing Studies

About the Program

Continuing Studies is a non-degree granting unit that admits adult students who want to take courses on a part-time basis for personal enrichment or professional development. Students can earn college credit, but are not admitted into a degree program.

Continuing Studies students may enroll for a maximum of 8 hours in any semester or summer session. Students are required to maintain a 2.0 grade point average. Continuing Studies students are not eligible to receive state or federal financial aid.

Students may remain in Continuing Studies until they accumulate 24 credit hours. Students with 24 credit hours must apply for admission and be accepted by a degree-granting unit of the university if they wish to continue their course work.

Admissions Policies

In order to be admitted to Continuing Studies, applicants must complete an Application for Undergraduate Admission and submit an application fee. Transcripts and ACT scores are not required. However, post-baccalaureate students who wish to take prerequisite courses for a graduate-level program will need to submit a transcript to verify their status.

Continuing Studies students must meet the following criteria unless they petition the Continuing Studies Office for exception:

- Applicants must be at least 22 years old, unless the applicant will be on active military duty.
- Applicants must self-report that they have a high school diploma or high school equivalency certificate issued by the State Department of Education.

- Applicants with previous college work must self-report that they have not been dismissed from their last attended institution of higher education.
- Applicants for whom English is a second language must offer proof of English proficiency.

Placement Tests

Continuing Studies students may take placement tests to determine the correct level of coursework. Placement tests are available in Math and Foreign Language. CLEP (College Level Examination Program) exams may be used to gain course credit.

The placement tests and CLEP exams are scheduled through:

The Testing Center

310 Davidson Hall
(502) 852-6606

Students with learning or other disabilities that may interfere with placement test accuracy should contact the Disability Resource Center (502) 852-6938.

Transfer Credits

Transfer credits are formally evaluated only when students are accepted into a degree-granting unit.

Enrollment

Students must be admitted to UofL and registered for classes by the end of the first day of classes. Continuing Studies students may enroll for a maximum of 8 hours in any semester or summer session. Students must have a grade point average of 2.0 or better to remain in good standing. Students may enroll in undergraduate classes for which they have completed the prerequisites or by faculty permission.

Students with 24 credit hours must apply for admission and be accepted by a degree-granting unit if they wish to continue their course work. Units will determine which of a student's previously earned credits will apply to a particular degree or major.

Students who wish to audit courses can register for classes before the deadline and then have the audit form signed by the professor and taken directly to the Registrar's office to change the class from graded to audit.

Post-Baccalaureate students who wish to take a graduate class must get approval from the School of Interdisciplinary and Graduate Studies; interested individuals should call (502) 852-6495 for details.

University Grade Point Average

The University of Louisville calculates a University Grade Point Average, which becomes the standard measure of performance and the official university calculation upon which academic decisions are made. The University Grade Point Average is determined at the undergraduate level, and is based upon all undergraduate course work taken at the University of Louisville.

Courses numbered below the 100 level (000-099) will not be used in the earned hours or University Grade Point Average calculation.¹

Continuing Studies students must follow the instructional unit's policies concerning adding or withdrawing from classes, pass/fail grading, incompletes, and audits.

Academic bankruptcy is not available to Continuing Studies students.

Academic Standing

Students in good standing must maintain a 2.0 cumulative Grade Point Average (GPA) in all coursework taken while enrolled in Continuing Studies.

Failure to attain a 2.0 GPA after the first semester results in Academic Warning and a restriction to an enrollment of 6 semester hours. Failure to attain a 2.0 GPA after two semesters results in Academic Probation and a restriction to an enrollment of 3 semester hours. Academic support is available for students on Academic Probation.

In any subsequent semester, a student whose Grade Point Average falls below 2.0 will be suspended from Continuing Studies.

Period Out

Students suspended from Continuing Studies after a fall semester must sit out the following spring semester; students suspended after a spring semester must sit out the following summer and fall semesters; and students suspended after a summer semester must sit out the following fall semester.

Readmission

Students suspended from Continuing Studies may appeal to the Office of Admissions for readmission after the appropriate period out. Readmission may also require assessment of the student's academic potential and readiness to return.

To apply for readmission, students must complete both an application for admission and a petition form, available on the Office of Admissions website. High school credentials and college transcripts may also be requested for review. The forms must be returned to the office at least one month before the first day of classes for the semester for which readmission is requested.

Note: Courses taken at another institution while suspended from Continuing Studies may not be accepted for transfer credit.

Normal and Maximum Course Loads

The maximum load for each semester is 8 credit hours. Students with superior scholastic records and/or extenuating situations (e.g., Vocational Rehabilitation, 4C's, or Military/GI Bill) may petition for an overload permission to take additional hours.

Federal Veterans Educational Benefits

Students are eligible for benefits while enrolled in Continuing Studies. Contact the Veteran Affairs Coordinator in the Registrar's Office at (502) 852-0998 for details.

Financial Aid

Continuing Studies students are not eligible for State or Federal Financial Aid.

Additional Information

For more information regarding Continuing Studies, go to: louisville.edu/admissions/apply/cs

¹ Credits earned after summer 1998

J.B. Speed School of Engineering



J.B. Speed School of Engineering

J.B. Speed Building, Suite 221
University of Louisville
Louisville, KY 40292

Phone: (502) 852-6281

Email: speed@louisville.edu

Website: engineering.louisville.edu

Social: Facebook (<https://www.facebook.com/pages/JB-Speed-School-of-Engineering/196728607016722>), Flickr (http://www.flickr.com/photos/UofL_SpeedSchool), Twitter (<https://twitter.com/UofLSpeedEng>), YouTube (<http://www.youtube.com/univoflouisville>)

About

The mission of the J.B. Speed School of Engineering is to serve the university, the Commonwealth of Kentucky, and the engineering profession by providing high-quality educational programs to all students; engaging in research and scholarship that will extend knowledge; and assisting the economic development of the regional, state, and national economies through technology transfer.

The Speed Scientific School was established as part of the University of Louisville in September 1924 as a result of a \$250,000 endowment from the James Breckenridge Speed Foundation. James Breckenridge Speed (1844–1912) was a descendant of the prominent Speed family and an industrial pioneer in the City of Louisville. An illustrious business leader, he oversaw the establishment of Louisville's street railway system, developed and operated large coal interests in Kentucky and was president of the Louisville Cement Company and the Ohio Valley Telephone Company. These industries, in which he maintained an active interest until his death in 1912, were a nucleus around which the City of Louisville and its greater metropolitan area grew to their present industrial stature. It is fitting that his memory be perpetuated in an engineering school bearing his name.

A pioneer class of 72 students started in Fall 1925 in chemical, civil, electrical, and mechanical engineering. The newly renovated Brigran Hall served as the main engineering building until 1942. Upon its inception, the Speed Scientific School offered a four-year Bachelor of Science degree based on a quarter plan, with alternating quarters of coursework and cooperative industry experience in the sophomore and junior years. To this day, the cooperative education program has been a mainstay of the curriculum and Speed School remains as one of the few engineering schools with a mandatory program.

The engineering campus continued to grow through the generosity of Dr. William S. Speed and Mrs. Olive Speed Sackett, the children of James

Breckenridge Speed and benefactors of his foundation, and Mrs. Virginia Speed, his wife. They made additional grants toward the erection of the James B. Speed Building (1942), Frederic M. Sackett Hall (1948), and William S. Speed Hall (1958). The Institute of Industrial Research (1946) was also constructed during this period and was later renovated to become the Laura Kersey Library, named after the first Speed School librarian. Kersey Library was again renovated in 2009 and is now the Duthie Center for Engineering.

The Speed School campus continued its growth on the south side of Eastern Parkway. The Chemical Engineering Building was built in 1967 and renamed in 1975 to honor Robert C. Ernst, who served as the third Dean of Speed School. The Vogt Building, a computerized engineering design center, was built in 1989 to honor Henry Vogt, whose family continues to play an important role in Speed School. Speed School then spread to the other side of Eastern Parkway with the construction of the New Academic Building in 1996. This building was later dedicated to Paul B. Lutz, an outstanding engineering faculty member and benefactor. Lutz Hall houses several research labs and centers and is home to the bioengineering program, the newest of the degree programs. In the 1970s the school had also added degree programs in computer engineering and industrial engineering. The newest addition to the Speed campus is the Shumaker Research Building (2006), housing a world-class cleanroom facility and numerous engineering research efforts.

In 2004, the J.B. Speed Scientific School officially changed its name to the J.B. Speed School of Engineering, reflecting its emphasis on engineering. It is also simply referred to as Speed School by those familiar with the school.

A formal definition of engineering was approved in 1979 by the Engineers Council for Professional Development, now known as the Engineering Accreditation Commission of ABET (<https://www.abet.org>), the accrediting board for engineering and technology programs. This definition still applies today:

"Engineering is the profession in which knowledge of the mathematical and natural sciences gained by study, experience, and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind."

Students of engineering should graduate with knowledge of engineering sciences and design, experience working in teams, have strong written and oral communication skills, and be well-versed on the impact of solutions in a global, economic, environmental, and social context. In particular, engineers have a duty to society to understand and abide by their discipline's Codes of Ethics. The preamble of the National Society of Professional Engineers (NSPE) Code of Ethics for Engineers states:

"Engineering is an important and learned profession. As members of this profession, engineers are expected to exhibit the highest standards of honesty and integrity."

Engineering has a direct and vital impact on the quality of life for all people. Accordingly, the services provided by engineers require honesty, impartiality, fairness, and equity, and must be dedicated to the protection of the public health, safety, and welfare. Engineers must perform under a standard of professional behavior that requires adherence to the highest principles of ethical conduct."

Structure

The engineering programs are structured such that students will complete a program consisting of two semesters in Engineering

Fundamentals, nine semesters in Departmental Studies to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. To complete the program in five years, Speed School students have a full course load during the summer semesters. The curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering (MEng) degree. The Bachelor of Science and Master of Engineering programs are both accredited by the Engineering Accreditation Commission (EAC) of ABET (<http://www.abet.org>).

The Engineering Fundamentals Department teaches engineering mathematics courses and other introductory engineering courses. The department focuses on creating a positive and supportive environment that helps students succeed in their studies and finalize their selection of engineering major. Departmental faculty strive to achieve excellence in teaching while introducing students to the engineering profession and providing them with fundamental engineering skills through a common set of core courses that begin in the freshman year. The department houses Speed School's Center for Teaching and Learning Engineering that fosters the development, evaluation and adoption of innovative teaching methods, both traditional and technology enabled.

Speed School Administration

The complete and up-to-date list of Speed leadership (<http://engineering.louisville.edu/about/administration>) is located on the Speed School website.

Faculty and Departmental Information

The complete and up-to-date lists of departments (<http://engineering.louisville.edu/academics/departments>) and faculty also are located on the Speed School website.

Advising Services

Upon admittance to the J.B. Speed School of Engineering, students will be assigned an academic counselor. The academic counselors introduce students to a range of services provided by the J.B. Speed School of Engineering and will guide and support students as they advance through the engineering curriculum.

The J.B. Speed School of Engineering staffs professional academic counselors dedicated to:

- Assisting students in selecting appropriate required and elective courses
- Helping students determine choice of major
- Assisting students who are experiencing academic difficulties in their courses
- Maintaining complete and accurate files on each advisee in order to monitor progress toward career goals
- Assisting students to identify opportunities for engagement

All BS and MEng students are required to be advised by their academic counselor each semester. Students will be unable to register for classes until cleared by their academic counselor. Academic counselors are located in the Engineering Office of Student Success, located in the lower level of the J.B. Speed Building.

For further information about academic advising in the School of Engineering, call (502) 852-8084 or email the Advising Office (<http://louisville.edu/cgi-bin/uofl.mail?name=ssadvise>).

About the Programs

The engineering programs of the University of Louisville are offered through the J.B. Speed School of Engineering. The typical undergraduate program of study covers a period of four calendar years spanning eleven semesters, which includes three summer semesters. Study includes both academic course work and cooperative work experience with industry, wherein a student is provided with conditions similar to those encountered in engineering practice.

Upon successful completion of undergraduate study and cooperative education, the student receives the Bachelor of Science degree in one of seven areas of specialization (see Programs of Study tab).

Students completing requirements for the Bachelor of Science degree at the J.B. Speed School of Engineering and achieving the required grade point average are encouraged to complete the requirements for the Master of Engineering (MEng) degree if the professional practice of engineering is a career objective. The five-year MEng program at the University of Louisville includes one year of graduate study beyond the four years of undergraduate studies.

Additionally, the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors allows a student of the J.B. Speed School of Engineering who has completed 105 semester hours in an engineering curriculum to sit for the Fundamentals of Engineering examination as part of the requirements for registration as a Professional Engineer in Kentucky. The Bachelor of Science and Master of Engineering programs are both accredited by the Engineering Accreditation Commission (EAC) of ABET (<https://www.abet.org>).

Students with a Bachelor of Science degree from another accredited program who come to the J.B. Speed School of Engineering to pursue an advanced degree normally enter into a Master of Science (MS) or doctoral (PhD) program. In addition to the previously mentioned seven areas of specialization, a master's program in Engineering Management is also offered by the Industrial Engineering Department. The Master of Science and Doctor of Philosophy degrees are available in all areas of specialization except for bioengineering which offers a PhD in Interdisciplinary Studies: Specialization in Translational Bioengineering.

Information about these degrees and other advanced degrees awarded by the University of Louisville may be obtained from the Graduate Catalog (<http://catalog.louisville.edu/graduate/programs-study>).

The conferring of degrees by the University of Louisville is conditioned upon timely completion of all requirements in the opinion of the Dean and faculty and issuance of appropriate formal documents by the Registrar, regardless of participation in commencement.

Accreditation

The agency responsible for the accreditation of educational programs leading to degrees in engineering is the Engineering Accreditation Commission (EAC) of ABET (<https://www.abet.org>). The purpose of accreditation is to identify those institutions which offer professional programs in engineering and demonstrate that the programs meet specified criteria. Accreditation of engineering programs began in 1932 and the University of Louisville's engineering programs have been continuously accredited from this time.

All accredited engineering programs must demonstrate that their students attain the following Student Outcomes:

- An ability to apply knowledge of mathematics, science, and engineering

- An ability to design and conduct experiments, as well as to analyze and interpret data
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- An ability to function on multidisciplinary teams
- An ability to identify, formulate, and solve engineering problems
- An understanding of professional and ethical responsibility
- An ability to communicate effectively
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- A recognition of the need for, and an ability to engage in life-long learning
- A knowledge of contemporary issues
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

All undergraduate Speed School programs demonstrate that these outcomes are attained through an assessment process documented with the Engineering Accreditation Commission (EAC) of ABET (<https://www.abet.org>). The BS CECS degree program is also accredited by the Computing Accreditation Commission (CAC) of ABET (<https://www.abet.org>).

The Engineering Accreditation Commission (EAC) of ABET (<https://www.abet.org>) accredits programs at either the basic or advanced level. The general basic (baccalaureate) level curricular content must include at least:

- One year (32 semester credit hours or 25 percent of total hours) of an appropriate combination of college-level mathematics and basic sciences (some with experimental experience),
- One-and-one-half years of engineering topics, consisting of engineering sciences and engineering design.
- A general education component that complements the technical content of the curriculum.
- A major design experience based on the knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints.

The general criteria for advanced level (master's) programs are:

- Fulfillment of basic level (baccalaureate) criteria.
- Fulfillment of program criteria appropriate to the masters level specialization area.
- One year of study beyond the basic level.

The University of Louisville is currently the only university in the country with programs having both baccalaureate- and master's-level accreditation. The accredited programs are the Bachelor of Science (BS) and Master of Engineering (MEng) programs in Bioengineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Industrial Engineering, and Mechanical Engineering.

Code of Student Conduct

The Code of Student Conduct is the University's policy regarding non-academic discipline of students. The general responsibility for non-academic discipline of all students enrolled in the University of Louisville

shall be vested in the Office of the Vice President for Student Affairs. The Dean of Students Office has been delegated the responsibility of administering the Code of Student Conduct. The Code of Student Conduct is available online (<http://louisville.edu/dos/students/codeofconduct>).

Code of Student Rights and Responsibilities

The Code of Student Rights and Responsibilities is set forth in writing in order to give students general notice of certain of their rights and responsibilities at the University of Louisville. Further rights and responsibilities are set forth in other University rules and policies, including the Code of Student Conduct and academic unit bulletins. The Code of Student Rights and Responsibilities is available online (<http://louisville.edu/dos/students/studentrightsandresponsibilities>).

Student Classroom Conduct

Students are expected to cooperate with all instructors to achieve an optimal learning environment. Conduct that disrupts such an environment will be dealt with and may result in the student being withdrawn from the course and/or facing additional academic penalties.

Academic Dishonesty

A primary goal of the School of Engineering is to educate people who will serve the engineering community with competence and integrity. Academic dishonesty is a serious offense at the J.B. Speed School of Engineering (SSoE) because it undermines the bonds of trust and honesty between members of the community and defrauds those who may eventually depend upon our knowledge and integrity. Students are expected to recognize and to uphold standards of intellectual integrity. The School of Engineering assumes, as a minimum standard of conduct in academic matters, that the student is honest; credit for courses is given and received on the assumption and condition that all work submitted represents the student's own efforts. Academic dishonesty is defined in the Code of Student Rights and Responsibilities. It is the student's responsibility to become familiar with the Code.

In accordance with the Code of Student Rights and Responsibilities, academic dishonesty is prohibited at the University of Louisville.

1. An instructor who believes a student has committed an act of academic dishonesty will notify the student. This notification will include an explanation of the basis for the allegation and the academic penalties. Academic penalties are penalties associated with the class in question, such as re-submission of alternate assignment, F on the assignment, F for the course, etc. The student will have 10 school days to notify the instructor whether the student accepts or does not accept the academic penalties. Failure to notify the instructor within 10 school days will be interpreted as an acceptance of the academic penalty.

2. If the student accepts the instructor's academic penalties the following actions will occur:

- The instructor implements the academic penalties.
- The instructor notifies the department chair and SSoE Associate Dean of Academic Affairs of the incident and imposed penalties within 10 school days of receiving the student's notification of accepting the penalties.
- The SSoE Associate Dean for Academic Affairs will review the documents within 10 school days of receipt and issue a decision regarding whether any administrative sanctions will be imposed on the student by the J.B. Speed School of Engineering, and whether any University-wide sanctions

will be recommended to the Provost. Administrative penalties may include suspension or expulsion from the J.B. Speed School of Engineering or the University of Louisville. The Dean will notify the student, the instructor and the Department Chair of this decision. The Dean will forward any recommended University-wide sanctions to the Provost.

3. If the student does not accept the instructor's academic penalties, the following actions will occur:

- The department chair, or, if the department chair is the instructor making the allegation, the SSoE Associate Dean of Academic Affairs will meet with the student in a timely manner.
- At the meeting, the student will be provided an opportunity to present oral testimony and written evidence. The burden of establishing the student's guilt rests with the instructor, who must do so by a preponderance of the evidence. After the meeting, the department chair or the Associate Dean, as appropriate, will render a decision within 10 school days of meeting with the student and submit written documentation of the incident and decision to the SSoE Associate Dean of Academic Affairs.
- If the student fails to appear at the meeting a final decision will be rendered by the department chair or SSoE Associate Dean of Academic Affairs.
- The SSoE Associate Dean for Academic Affairs will review the documents within 10 school days of receipt and issue a decision regarding whether any administrative sanctions will be imposed on the student by the J.B. Speed School of Engineering, and whether any University-wide sanctions will be recommended to the Provost. Administrative penalties are penalties may include suspension or expulsion from the J.B. Speed School of Engineering or the University of Louisville. The Dean will notify the student, the instructor and the Department Chair of this decision. The Dean will forward any recommended University-wide sanctions to the Provost.

As per the University of Louisville Code of Student Rights and Responsibilities (<http://louisville.edu/dos/students/studentrightsandresponsibilities>), an academic unit that determines that a student is guilty of academic dishonesty may impose any academic punishment on the student that it sees fit, including suspension or expulsion from the academic unit. A student has no right to appeal the final decision of an academic unit. However, a student who believes that he or she has been treated unfairly, has been discriminated against, or has had his or her rights abridged by the academic unit may file a grievance with the Unit Academic Grievance Committee. An academic unit that suspends or expels a student from the academic unit because the student has been found guilty of academic dishonesty may recommend to the University Provost in writing that the student also be suspended or expelled from all other programs and academic units of the University. Neither the student nor the academic unit shall have the right to appeal the Provost's decision. However, a student who believes that he or she has been treated unfairly, has been discriminated against, or has had his or her rights abridged by the issuance of a decision by the Provost may file a grievance with the University Student Grievance Committee.

Student Complaints

If a student has a complaint about courses, grades, deficiencies, or decisions made by faculty members, advisors, department chairs, directors, etc., they should use the procedure outlined below.

- The student should first discuss the matter with the person involved and attempt to resolve the complaint through informal discussion.
- If there is no resolution, the student should discuss the matter with that person's supervisor or immediate superior in the department or office, who should attempt to mediate a resolution.
- If there is no resolution as the result of these discussions, the student should write to the appropriate department chair or director specifying the nature of the concern, with a copy of the letter to the Associate Dean for Academic and Student Affairs.
- If the student is unable to obtain a resolution through these procedures, he or she may request the Student Grievance Office to attempt informal mediation of the problem.

A student wishing to file a formal complaint should do so with the Dean of Students Office. See procedure here: louisville.edu/dos/help/student-complaint-procedure.

Undergraduate Programs

B

- Bioengineering (BS) (p. 135)

C

- Chemical Engineering (BS) (p. 161)
- Civil Engineering (BS) (p. 172)
- Computer Engineering (Minor) (p. 442)
- Computer Science and Engineering (BS) (p. 180)

E

- Electrical Engineering (BS) (p. 204)

I

- Industrial Engineering (BS) (p. 236)

M

- Mechanical Engineering (BS) (p. 248)

Kent School of Social Work



Kent School of Social Work
Oppenheimer Hall
University of Louisville
Louisville, KY 40292

Phone: 502.852.6402
Email: bswkent@louisville.edu
Website: louisville.edu/kent

About the School

The Kent School of Social Work seeks to prepare well-qualified social workers who practice from a strong professional value base to serve the metropolitan mission of the university. Our graduates promote social justice through their practices with diverse client systems. In the context of a research institution, Kent School is committed to knowledge development that informs social work practice, recognizing the importance of interdisciplinary collaboration to solve complex social problems.

Social work is a profession concerned with the prevention and amelioration of social problems and the enhancement of the quality of human life. Social workers achieve these goals through direct practice with individuals, families, groups, and community organizations; advocacy; social planning; social policy analysis and formulation; research; and administration. Social work practice helps people mobilize their resources to deal with present circumstances and to enlarge their prospects for the future. Since problems of meaningful way in isolation from the broad social and community context in which they occur, social work also takes a leadership role in bringing about institutional and social change.

Structure

The School provides a broad-based education for college or university graduates wishing to continue their studies and for professionals returning to school to enhance their skills. The Bachelor of Social Work (BSW) degree program is designed to prepare students for entry into the profession as generalist practitioners. The Master of Science in Social Work (MSSW) degree program is designed to help students achieve their maximum potential through a carefully structured curriculum of foundation and advanced course work. Preparation for leadership in advanced professional practice is a vital part of the School's curriculum.

Bachelors of social work programs, under the accreditation banner of the Council on Social Work Education (CSWE), are directed in matters of curriculum to promote the knowledge, values and skills of the profession. At the baccalaureate level, students are prepared for entry into the profession as generalist practitioners. Guided by program mission and goals, the generalist model is built upon a conceptual framework that includes relevant theories and knowledge to build practice skills. The professional level courses at the junior and senior year level are grounded in the liberal arts and carefully integrate that knowledge into the learning of professional content. The Educational Policy and Accreditation Standards of CSWE establish the base of program learning expectations.

Goal I (Curriculum)

To ensure that graduates will be prepared at the foundation level to practice social work that is framed by a generalist practice base, and an ability to understand social problems at multiple levels.

The program objectives derive directly from the Educational Policy (3.0) of CSWE in preparing students for practice at the generalist level and also for providing a firm foundation for those who seek graduate educational opportunities in social work. To meet those requirements, the Kent School has established the following program objectives that will frame the assessment of learning that obtains to the BSW Program.

Students who graduate from the BSW Program will demonstrate the ability to:

- Objective 1: Apply critical thinking skills within the context of professional social work practice.

- Objective 2: Understand the value base of the profession and its ethical standards and principles, and practice accordingly.
- Objective 3: Practice without discrimination and with respect, knowledge, and skills related to clients' age, class, color, culture, disability, ethnicity, family structure, gender, marital status, national origin, race, religion, sex, and sexual orientation.
- Objective 4: Understand the forms and mechanisms of oppression and discrimination and apply strategies of advocacy and social change that advance social and economic justice.
- Objective 5: Understand and interpret the history of the social work profession and its contemporary structures and issues.
- Objective 6: Apply the knowledge and skills of a generalist social work practice with systems of all sizes.
- Objective 7: Use theoretical frameworks supported by empirical evidence to understand individual development and behavior across the life span and the interactions among individuals and between individuals and families, groups, organizations, and communities.
- Objective 8: Analyze, formulate, and influence social policies.
- Objective 9: Evaluate research studies, apply research findings to practice, and evaluate their own practice interventions.
- Objective 10: Use communication skills differentially across client populations, colleagues, and communities.
- Objective 11: Use supervision and consultation appropriate to social work practice.
- Objective 12: Function within the structure of organizations and service delivery systems and seek necessary organizational change.

Goal II (Curriculum)

To prepare students for advanced graduate work in social work.

- Objective: The Kent School will prepare students with a quality education that will support their admission to and successful completion of graduate social work degrees.

Goal III (School's relationship with the community)

To build collaboration and partnerships for community building and problem solving:

- Objective: The Kent School will provide professional expertise in the community in partnership with agencies and institutions to build a stronger community in the metropolitan region of Louisville.

Goal IV (Overall program goal)

To contribute to the development of new social work knowledge through scholarship and research.

- Objective: The Kent School will develop research and scholarship that adds to the knowledge base of the social work profession.

About the Programs

The Kent School Curriculum is designed to enhance students' ability to help them and the diverse client systems they work with to make decisions that contribute to the quality and health of these client systems and that will promote social justice. It is designed to graduate social workers who think critically about what they do, why they do it, and what outcomes they hope will result from the social work practice they do.

Critical thinking is defined as "the intellectual disciplined process of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and/or evaluating information gathered from, or generated by,

observation, experience, reflection, reasoning, or communication, as a guide to belief or action" (Scriven & Paul, 2004). Critical thinking includes specific skills such as problem-solving and the ability to integrate knowledge from multiple disciplines and theories of human behavior. Throughout the curriculum, there is an emphasis on critical reflection, or appraisal of various points of view no matter what the source. The curriculum draws heavily on social science knowledge and integrates this with problem-solving phases such as assessment, intervention, and evaluation. In this respect, the curriculum is designed to teach students to access, integrate, and assess practice and policy related research to solve social problems and to work towards social justice. When critical thinking skills are used effectively, it leads to transparency and promotes social change, particularly with and on behalf of vulnerable and oppressed individuals and groups of people.

In the foundation curriculum, students are introduced to critical thinking. They are guided by faculty to develop critical thinking skills throughout all the foundation level courses. The BSW curriculum promotes a generalist perspective in which the simultaneous impact of many systemic levels (individuals, families, groups, organizations, and communities) on clients' lives is critically analyzed and recognized. The curriculum builds upon a liberal arts base that fosters an understanding of society as a complex organization of diverse people and ideas. Social problems are understood as occurring within the nexus of culture, conflict, development, ecology, and systems and as such, efforts to help or intervene must include consideration of these forces. Students will be able to critically identify and assess social problems, specifically attending to 1) how such problems are maintained, 2) how they impact the quality of people's life, 3) cultural sensitivity and appreciation of marginalized people, and 4) how to actively promote social and economic justice. In the foundation year, the focus is on the development of critical thinking skills in all the areas mentioned. The BSW curriculum is to prepare students for generalist practice; that is to develop knowledge and skills for entry level professional social work practice that recognizes the importance of multi-level systemic intervention.

Academic Misconduct

It is expected that a student in the Kent School of Social Work will refrain from plagiarism and cheating. Plagiarism and cheating are serious breaches of academic conduct and may result in permanent dismissal. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty.

Multiple Submission

The submission of substantial portions of the same academic work, including oral reports, for credit more than once may be considered plagiarism without prior authorization by the teacher.

Student Conduct Policies

Students entering the Kent School of Social Work, by their formal acceptance into the School, agree to abide by The Code of Ethics of the National Association of Social Workers (<https://www.socialworkers.org/About/Ethics/Code-of-Ethics/Code-of-Ethics-English>) and the Code of Student Conduct of the University of Louisville.

The NASW Code of Ethics provides guidelines for the professional conduct of social workers. Since the profession is directed by a commitment to core values, the Code provides for conduct related to principles of service, social justice, dignity and worth of the individual, the importance of human relationships, integrity, and competence. These

values and the standards inherent in them provide a context for expected behavior during the period of enrollment in the educational programs of the Kent School of Social Work, and for the development of lifelong professional standards. Issues of concern related to this area are referred to the Academic and Professional Standards Review Committee.

Dismissed Students

If the Academic and Professional Standards Review Committee decide to dismiss a student from Kent School and if this dismissal is approved by the Dean, students will only be allowed to return to Kent School in rare cases. Students who wish to return must write an appeal letter to the BSW Director, stating their reasons why they think they can return to Kent School to complete their studies.

Advising Services

The Kent School of Social Work Advising and Student Services strives to provide students with excellent academic advising, consistent and accurate program information, and services related to registration, financial aid, and admissions.

Our office is located in Oppenheimer Hall. Please call for an undergraduate advising appointment, questions concerning enrollment and student services, or information regarding application to the BSW program. You can reach us by calling (502) 852-5872 or email us at bswkent@louisville.edu.

Kent School Administration

The complete and up-to-date list of Kent School leadership (<http://louisville.edu/kent>) is located on the Kent School website.

Faculty and Departmental Information

The complete and up-to-date list of Kent School faculty (<http://louisville.edu/kent/about/faculty-1>) is located on the Kent School website.

Undergraduate Programs

- Social Work (BSW) (p. 405)

School of Dentistry



School of Dentistry

Office of Student Affairs, Room 234
501 South Preston Street
Louisville, KY 40202

Email: dhygiene@louisville.edu
Phone: (502) 852-5081

Website: louisville.edu/dentistry/degrees/hygiene

Advising Services

Monday and Thursday:
Studio Arts/HSC Advising Center Room 103

Tuesday, Wednesday, Friday:
School of Dentistry 501 S. Preston St.

About the School of Dentistry

Offering outstanding clinical education, pioneering simulation education and technology, and leading biomedical research, the University of Louisville School of Dentistry (ULSD) continues its quest to provide quality education and unique opportunities. The philosophy of the school is to consider students partners in learning and to provide them with the knowledge and skills to meet the challenges of today's dental profession.

The School of Dentistry is a state-supported institution located within the University Health Sciences Center (HSC) in downtown Louisville (metropolitan area population of more than one million). Founded in 1887, the school is housed in a building that opened in 1970 as part of the HSC campus. Total renovation of the clinics and classrooms, including state-of-the-art technology, was completed in 2011. The School of Dentistry houses clinical care services for community members as well as education for students within the same structure.

The School of Dentistry offers degrees at the undergraduate, graduate and professional levels. The undergraduate Bachelor of Science in Dental Hygiene program is unique in being offered through a School of Dentistry, where students learn alongside their future peers in the dental field.

About the Dental Hygiene Program

The Office of Dental Student Affairs is available to assist students in planning their academic program and to provide students with information regarding policies, procedures, and general information.

It is the student's responsibility to be knowledgeable of the policies and procedures, and to take the initiative in seeking help and advice. Students are encouraged to contact the office whenever they have a question, a problem, concern.

Name/Address Changes

It is the student's responsibility to update any change in name, address, or telephone number. The student may complete a name/address change through the ULink option available from the UofL website or in the Registrar's Office on Belknap Campus or by calling that office at (502) 852-6522.

Minimum Technical Standards

The University of Louisville School of Dentistry is committed to the principle of diversity in all areas. In that spirit, admission to the School is open to all qualified individuals and complies with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (1993).

The School recognizes the award of a Bachelor of Science in Dental Hygiene degree carries with it the full authority of the institution and communicates to those who might seek the services of the bearer that he or she is competent to practice dentistry. This degree is unique in that the graduate is prepared and, upon licensure, is allowed to practice all disciplines of the dental profession. This requires that the student acquire didactic knowledge as well as learning skills and attitudes essential to the profession and agreed upon by the faculty as requisite for the

practice of dentistry. The student requires both cognitive and technical skills to negotiate the curriculum.

The School is aware of the unique nature of the dental curriculum. Applicants must possess the skills and abilities that will allow them to successfully complete the course of study and receive the full benefit of the education. In the process the student is required to manage or perform treatment on the patients of the School. The School has the responsibility of ensuring the well-being of patients. This includes the completion of treatment safely and within an acceptable amount of time. With this in mind, the student must be able to meet the following technical standards with or without accommodation:

- Motor Skills
- Sensory/Observation
- Communication
- Cognitive
- Behavioral
- Immunizations

Disability Statement

Students with disabilities who need reasonable modifications to successfully complete assignments and satisfy other course criteria are encouraged to meet with the course instructor as early as possible to identify and plan specific accommodations. Students may be asked to supply a letter from the Disability Resource Center or other documentation which will assist in modification planning.

Student Conduct Policies

The University of Louisville expects its students and student organizations to conduct themselves according to generally accepted moral and social standards and to respect the rights and privileges of others. Students who enroll in the University of Louisville dental hygiene program are subject to the rules and regulations of the University.

Ethical Violations

The dental hygiene program expects high ethical standards. As future professionals, students should exhibit appropriate professional ethical behavior in all academic and clinical matters.

A student may be dismissed from the program due to unethical conduct. A formal procedure has been established to review cases where a student is accused of unethical behavior.

Drug Use Prohibited

In accordance with the statutes of the Commonwealth of Kentucky, the possession, use or distribution of hallucinogenic and/or illegal drugs will not be tolerated on University property. Infractions will result in disciplinary action by the University which may lead to suspension or dismissal from the dental hygiene program.

Student Rights

Students who believe they have been treated unfairly, discriminated against, or have had their rights abridged may initiate a grievance in accordance with procedures established in the University's Redbook. Students would first seek to have the matter resolved through informal discussion and through administrative channels. Information about processing a grievance may be obtained from the School of Dentistry's associate dean for academic affairs.

Student Health Policy

Each student must comply with the current health policy of the School of Dentistry. Because of contractual agreements with agencies and the changing needs of society, this policy is updated periodically. The current health policies are published in the School of Dentistry Dental Hygiene Undergraduate Student Handbook. It is the responsibility of the student to maintain his or her health in order to ensure safety for other students and patients. If faculty or the agency deem that any student creates a health or safety risk, the student may be excluded from the clinical experience and/or program.

Liability and Health Insurance

All upper division dental hygiene students are required to submit proof of health care insurance coverage. Students can be covered under the University's student health insurance coverage. If students carry their own coverage, they can waive the University student health coverage by completing the online waiver form.

Liability/malpractice insurance is provided for all ULSD upper division students during their intern and extern experiences, including AHEC.

Immunization Requirements

All students are to comply with the University of Louisville Health Sciences Center immunizations requirements. Those requirements are distributed to students prior to matriculation.

Policies and procedures for immunization, testing, and post exposure incidents have been developed to comply with Occupational Safety and Health Administration (OSHA), Centers for Disease Control (CDC), American Dental Association (ADA), American Dental Hygienists' Association (ADHA), and extramural site recommendations or policies. Dental hygiene students, in the course of their clinical responsibilities, have exposure to blood, blood products, tissue, secretions, or body fluids of patients potentially containing hepatitis B (HBV) and are at risk for HBV as well as other infectious diseases. The following immunizations require documentation prior to matriculation and must be submitted on the Immunization Reporting Form to the Office of Clinical Affairs prior to the first day of class: measles, mumps, rubella, tetanus-diphtheria-pertussis, varicella, hepatitis-B (series must be initiated first and second doses), and tuberculosis skin test. A tuberculosis skin test is required on a yearly basis for all students. All students must maintain compliance with the University of Louisville Health Sciences immunization and testing requirements. Students must be in compliance with immunization and testing prior to contact with patients in the clinical areas. Any student not in compliance will not be allowed in the clinical areas.

Students are strongly advised to consider latex allergy testing prior to matriculation if there is a medical history indicating latex sensitivity.

Transportation

Students are responsible for providing their own transportation to and from clinical sites as needed. Students are not allowed to provide transportation for patients.

Policy on Clinical Attire

The University of Louisville School of Dentistry expects the student entering the professional clinical/academic program to present a neat, clean, and professional attired appearance. The current policy is published in the School of Dentistry Student Clinic Manual and is updated periodically. All students must maintain compliance with the current

policy. Final evaluation of student compliance with the dress code will rest with the Office of Clinic Affairs and the program faculty and director.

Academic Achievement Committee

The Dental Hygiene Academic Achievement Committee Guidelines (DH-AAC Guidelines) have been developed by the dental hygiene faculty of the School of Dentistry to provide students and faculty with pertinent information about the academic and professional standards of the School and about the process and procedures used to review student performance. Admitted upper division students are provided these guidelines, updated annually, via Blackboard.

Academic bankruptcy and forgiveness policies allow students who are returning to college after an absence of two or more years to request the adjustment of their records for one or more entire semesters of previous college work, provided certain criteria are met. View information on academic bankruptcy and forgiveness and the new Fresh Start policy in the academic policies section of this catalog.

Advising Services

Lower Division Advising

All dental hygiene students are encouraged to meet with an advisor to seek support and referral information as needed. The academic counselor for the dental hygiene program has office hours on both the Belknap and HSC campuses. Students may call (502) 852-5081 for an appointment on either campus.

Freshmen students and transfers with less than 30 credit hours earned are required to be advised prior to registration. Students on conditional, warning or probationary status must also be advised prior to registering for courses. Students who are out of sequence in their program of study must meet with their advisor to revise their program of study.

Upper Division Advising

Academic advising is available to upper division students through the program advisor, program faculty, and the School of Dentistry academic support counselor.

Undergraduate Programs

- Dental Hygiene (BS) (p. 189)

School of Music



School of Music

University of Louisville
Louisville, KY 40292

Phone: (502) 852-6907

Email: gomusic@louisville.edu

Website: louisville.edu/music

Social: Facebook (<http://www.facebook.com/uoflmusic>), YouTube (<https://www.youtube.com/uoflschoolofmusic>)

About the School of Music

The University of Louisville School of Music offers the serious student of music an opportunity to study with distinguished faculty and to participate in a wide range of musical activities, both within the School and the community. Historically and philosophically, the School has had a profound impact on the cultural life of Louisville; its faculty and administration have provided much of the leadership and talent for such groups as the Louisville Orchestra, the Kentucky Opera Association, the Louisville Bach Society, and the Chamber Music Society.

The goals of the School of Music are to train students for careers in music and to enhance the quality of life for the University and larger public through performances, compositions, research, and instruction. While pursuing their studies, students are exposed to a full schedule of concerts and recitals by world-renowned artists and performers.

The School of Music, founded in 1932, has been located on the Belknap Campus since 1980 in a building which was designed and built specifically for music. It contains two recital halls, a 15,000 square-foot music library, 44 teaching studios, 76 practice rooms, and three dance studios.

Music Administration

The complete and up-to-date list of Music leadership is located on the School of Music website (<https://louisville.edu/music/about>).

Faculty & Departmental Information

The complete and up-to-date lists of departments and faculty (<http://louisville.edu/music/faculty-staff>) also are located on the School of Music website.

Advising Services

All School of Music students are advised by the Academic Counselor who assists with registration, monitors progress in courses required for their major, and reviews progress made toward completion of Upper Division course prerequisites.

Advising is required for all music students until they have completed all prerequisites for Upper Division courses (see the Upper Division Assessment on the following section of this document; the Upper Division Assessment can also be found in each degree plan in the degree section of the catalog). Students will be blocked from registration for classes until the advising requirement has been satisfied. Students on Academic Warning or Probation music be advised.

About the Program

A complete listing of all policies and procedures specific to the School of Music in support of the music degree requirements may be found in the *School of Music Undergraduate Student Handbook*.

The officials and instructors of the School of Music do not assume the responsibility of notifying students concerning the regulations of the School of Music or their particular status in regard to credits, requirements, or quality points. They are more than willing to inform them at any time they request the information. It is the responsibility of students to inform themselves in regard to grades, credits, requirements,

quality points, and the regulations applying to students in the School of Music. The schedules, fees, and regulations specified are subject to change without notice. Any email communication with students will be on their university email only. Students must be responsible and check their university email on a daily basis.

Enrollment

In order to take music courses, students must be enrolled in the School of Music or have permission of the instructor.

Official Notices

Students must respond to official notices issued by administrative boards or sent by individual letters. Failure to comply may lead to suspension from the school. During the semester, an instructor will notify each student whose work is below the grade of C and will report his/her name to the Dean.

Music Fees

All School of Music majors are charged a Student Music Fee each semester, pro-rated for part-time students. This fee helps to offset expenditures exclusively related to music majors including, but not limited to accompanists, technology and infrastructure, student activities, and student tickets to concerts. In direct support of the students' success in the program, the fee provides free access to four one-hour services each semester with a staff piano accompanist, the option of free half-hour secondary instrument applied music lessons for up to four semesters dependent on space available/permission of secondary and major teachers, and free tickets provided to Louisville Ballet, Chamber Music Society, Kentucky Opera, Speed Concert Series, and Louisville Orchestra Classics events. Music minors and non-music majors approved to take applied lessons within the School of Music will be charged a Non-Music Major Applied Lesson Fee.

Music Requirements

Applied Music Lesson Credit

All full-time students pursuing a professional degree in music (with the exception of Music Therapy and Composition majors) will receive a one-hour private lesson per week in their major applied music subject, regardless of the number of credit hours allowed for the course. Music Therapy majors are required to take 8 credits of study on their principal instrument. This can be done in 4 semesters of 1 hour lessons at 2 credits each or 8 semesters of ½-hour lessons at 1 credit each, or a combination of the two. Composition majors take 4 semesters of 2-credit lessons and 4 semesters of 1-credit lessons. Students enrolled in the BA degree program will receive a minimum of a half hour lesson per week in applied music for four semesters. In general, applied music courses require one hour of daily practice for each hour of credit.

Applied Music Teacher Assignment

Each entering student will be assigned to an applied music instructor. If the student prefers to choose his/her own teacher, every effort will be made to accommodate those students who wish to choose their own teachers. If, for any reason, a student desires to change applied music teachers, the student's request will be considered by the Concentration Coordinator in consultation with the Department Chair. In the event that the Concentration Coordinator is the student's current applied teacher, the Department Chair will appoint another faculty member from the Concentration to consider the request.

Applied Music Grade Requirements

A student pursuing a degree in music who does not receive a grade of C-minus or above on their instrument or voice at the end of any semester must repeat that level. If a grade of C-minus or above is not received at the end of the next semester's study, the student will not be allowed to continue study in the School of Music. Exceptions to this rule must be by written notice of faculty action.

Student Performance Requirement

Students taking applied lessons for 2 or 4 credit hours must perform at least once per semester in a public forum after receiving credit for their first semester of applied study.

Applied Music Jury Examinations

Students requesting credit for applied music study, with the exception of Functional Study, shall be examined by a committee of the faculty at the end of each grading period. The means of assessment for Functional Study will be determined by the applied faculty member and clearly indicated in the syllabus. Students registered for MUS 202, MUS 204, MUS 206, MUS 212, or MUS 214 take the Sophomore Evaluation Applied Examination. Faculty may grade their own students on all applied exams, including the sophomore evaluation applied examination.

Advanced-Standing Credit

Advanced-standing credit in any applied music subject (piano, voice, organ, guitar, band, or orchestral instruments) or in music theory will be granted only by examination, and then only after the student has satisfactorily pursued advanced work in that subject for one semester.

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for Theory IV (MUS 242) or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music and New Media;) MUS 361-01 Music Literature; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with "S" for 4 semesters; Ensemble Participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105 and 3 additional General Education/Cardinal Core courses (<https://louisville.edu/provost/ger>).

Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Participation in Ensembles

The following are the guidelines by which undergraduate music students participate in ensembles:

1. All full-time undergraduate music majors are required to participate each semester in the principal ensemble designated for their primary instrument:
 - a. Strings: Symphony Orchestra
 - b. Woodwind, brass, or percussion: Symphonic Band, Concert Band, Wind Ensemble, Wind Symphony, Marching Band *
 - c. Voice: Collegiate Chorale, University Chorus *
 - d. Keyboard/Guitar: Any of the above dependent upon qualifications and/or interests. *
 - e. Jazz: Jazz Ensemble, Jazz Lab, Jazz Repertory Ensemble, Vocal Jazz Ensemble*

* Specific ensemble assignment is solely dependent on the result of the ensemble audition.

Note: The principal ensemble is the only ensemble that can fulfill the ensemble requirement for each degree program.

Full-time students who fail to enroll for a major ensemble each semester will be in violation of the catalog and subject to academic action. A student who fails to register for the appropriate ensemble during a semester will be placed on immediate Academic Warning. If the student has failed to resolve the ensemble registration by the end of the semester, the student will be placed on Academic Probation. A student who fails to register for the appropriate ensemble in a second consecutive semester will, if the ensemble has not been added by the end of the first week of classes, be placed on immediate Academic Suspension.

2. For all part-time students, participation in a principal ensemble must keep pace with the number of hours accumulated. For each 15 hours completed, at least one credit hour must be in ensemble.
3. Full-time non-degree (special) students must participate in an appropriate principal ensemble. Part-time non-degree students are not required to do so.
4. Music Therapy equivalency students holding a degree in music (or with a bachelor's degree in a different field, but whose transcripts indicate that they have taken eight ensembles), are not required to take an ensemble.
5. Under no circumstances will participation in amateur, semiprofessional, or professional organizations outside the University be substituted for the University requirement.
6. After achieving Upper Division status, the student may petition to have a different major ensemble substituted for the designated principal ensemble. The petition must be made prior to the ensemble auditions for the semester during which the substitution will take place. Petitions for Fall semester substitutions will be due by April 21st of the preceding semester. Petitions for Spring semester substitutions will be due by October 21st of the preceding semester. The petition will be considered by the Ensemble Directors' Committee, and the student will be notified of the committee's decision prior to ensemble auditions. The committee will consider the following criteria, among others:
 - a. Student's degree program
 - b. Needs of the ensembles

Note: Substitution for principal ensembles is considered an exception to the guidelines for ensemble participation. Petitions must be submitted for each semester of substitution.

7. Wind/brass/percussion principals enrolled in the Bachelor of Music (Pre-Certification-Instrumental) or Bachelor of Music in Music Education degree programs are required to fulfill two years of ensemble performance in the Marching Band. Entering students will be expected to fulfill this requirement during the freshman and sophomore years. Transfer students will be required to fulfill a minimum of one year. A second year may be required based upon evaluation of the transcript. Woodwind, brass and percussion principals are also recommended to complete one semester of a major jazz ensemble.

Recital Attendance Requirements

All undergraduate music students must enroll in and complete six semesters of MUS 97 Recital Attendance. To receive the grade of S/

Satisfactory for this required non-credit course, each undergraduate student must attend a minimum of twelve (12) convocations or recitals for each of the six enrollments in MUS 97.

The grade will be determined as follows:

- Attend 12 or more = S (Satisfactory)
- Attend 9-11 = I (Incomplete)
- Attend less than 9 = U (Unsatisfactory)

The grade of I (Incomplete) must be made up the following semester by attending double the number of recitals/concerts missed to attain the grade of S (Satisfactory). If the Incomplete is not made up the following semester, the Incomplete will lapse to the grade of U (Unsatisfactory) and the entire semester of Recital Attendance must be repeated to earn the required credit. No petitions will be considered.

Students may not receive recital attendance credit for convocations or other performances in which they participate as a performer.

Public Recitals

School of Music students may schedule recitals any day when the recital halls are free and the building is open, provided they have the approval of their instructor and the necessary signatures of appropriate faculty for grading when applicable. Please see the *Undergraduate Student Handbook* for recital guidelines. Additionally, students may refer to the Recital Guidelines Packets available in the Dean's Office or at the School of Music website (<https://louisville.edu/music/resources/current-students/recital-form-packets>) for recital-related procedures including date/hall reservations, deadlines, hearing and recital committee personnel, and recital fees.

Academic Bankruptcy & Forgiveness & Fresh Start

Academic Bankruptcy and Forgiveness (<http://louisville.edu/registrar/registration-information/bankruptcy>) policies allow students who are returning to college after an absence of two or more years to request the adjustment of their records for one or more entire semesters of previous college work, provided certain criteria are met. View information on Academic Bankruptcy and Forgiveness (<http://louisville.edu/registrar/registration-information/bankruptcy>) and the new Fresh Start (<http://louisville.edu/admissions/apply/transfer/admissions/app-resources/fresh-start>) policy.

Undergraduate Programs

- Music (Minor) (p. 456)
- Music and New Media (Minor) (p. 456)
- Music Composition (BM) (p. 270)
- Music Education (BM) (p. 273)
- Music Education, Pre-Certification (BM) (p. 297)
- Music General (BA) (p. 320)
- Music History (BM) (p. 322)
- Music Instrumental Performance (BM) (p. 325)
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- Music Theory (BM) (p. 342)
- Music Therapy (BM) (p. 344)
- Music Vocal Performance (BM) (p. 352)
- Music, Jazz Performance (BM) (p. 328)

- Music, Jazz Studies (BA) (p. 332)
- Music, Piano Performance (BM) (p. 338)

School of Nursing



School of Nursing

Health Sciences Campus, K-Wing
555 South Floyd Street, Suite 3019
University of Louisville
Louisville, KY 40202

Phone: (502) 852-8300

Website: louisville.edu/nursing

About the School of Nursing

The University of Louisville's School of Nursing is an essential partner of a research intensive academic health science center in a nationally recognized University serving a metropolitan community.

The School of Nursing is a community in which faculty, staff and students collaborate to promote excellence in the profession of nursing. This is accomplished through research and scholarship that inform undergraduate and graduate education, support evidence-based practice and foster advances in nursing science. Students are prepared to demonstrate excellence in nursing science, practice and leadership in a variety of settings for the benefit of clients across the lifespan and to meet the evolving health care needs of society. As a citizen of the larger community, the emphasis of the School of Nursing is to address the complex health needs of diverse and dynamic populations through nursing education, research, scholarship and service.

Structure

As you enter our school lobby in the K building on the first floor, you will be welcomed into a renovated three-floor school occupied by very talented and dedicated nursing faculty, staff and students. The second floor includes two renovated classrooms and our Red and Black student lounge. Students can take advantage of wireless capability throughout the building.

The third floor is the administrative suite, undergraduate and practice faculty offices. It houses five clinical practice suites that use state-of-the-art technology to capture both video and audio student learning on high fidelity patient simulators and electronic health records. It is a site where graduate nurse practitioner students learn to conduct a thorough health assessment to better identify systemic diseases. These students are definitely job ready through digital and inter-professional learning.

The fourth floor houses a well-staffed Research Office through our graduate research assistants, a doctoral student lounge and offices

for graduate faculty; those who work in this area are developing the school's research engine in nursing care of disease management and life transitions. The top floor of the school includes a 155-seat auditorium created to provide a venue to broadcast throughout the state as well as national and regional nursing leaders' presentations.

Administration

The complete and up-to-date list of Nursing School leadership (<http://louisville.edu/nursing>) is located on the Nursing website.

Faculty

The complete and up-to-date list of faculty (<http://louisville.edu/nursing/directory>) is located on the Nursing website.

Advising Services

The Office of Student Services (OSS) is available to assist students in planning their academic program and to provide students with information regarding policies, procedures, and general information. The office is located in Rooms 3063-3066 in the K Wing Building on the Health Science Campus. Office hours are 8:30 am to 5:00 pm Monday through Friday. The phone number is (502) 852-1196.

Additional advising office hours are available on the Belknap Campus during the fall and spring semesters. Advising offices are located in the HSC Advising/Studio Arts Bldg.

Undergraduate Program Information

The following links are to the Nursing BSN catalog pages listing degree requirements and Flight Plan information (<http://louisville.edu/flightplan>):

- Nursing BSN (Pre-Licensure Program) (p. 359)
- Nursing BSN (RN-BSN Program) (p. 357)

About the Programs

Students admitted to the Upper Division of all BSN programs, will be required to meet specific conditions as outlined in their offer of admissions and acceptance.

Clinical Requirements

Before beginning the first clinical course for any BSN program, students must be in compliance with the following clinical requirements:

- Valid RN license with no restrictions for students in RN-BSN program
- Submit documentation of CPR certification (Adult, Child and Infant).
- Submit proof of student nurse liability insurance coverage
- Submit required immunization records and proof of health insurance coverage to the Campus Health Services Office (call (502) 852-6446 for additional current information on requirements)
- Complete HIPAA training
- Submit proof of completion of Blood-borne Pathogen training
- Additional requirements of clinical agencies may be required
- Negative drug test screening
- Completion of a Medicaid approved Certified Nursing Assistant course.

Additional clinical compliance requirements are published in the School of Nursing Student Handbook. It is the student's responsibility to read the catalog, student handbooks, and official notices (e.g., School of Nursing web page, Blackboard, mailings) to be informed about grades, credits,

and requirements, and to abide by the regulations of the University of Louisville and the School of Nursing. This handbook is available to students upon admission to the Upper Division and is updated annually.

Removal from Clinical

A student may not participate in clinical sections assigned to nursing units or small agencies where the student currently works or previously has worked for pay, or in which the student has been hospitalized, without permission from the appropriate instructor. Any student participating in a clinical section addressed by this policy may be removed from that section at the request of the agency or the instructor. Every effort will be made to accommodate the student in other clinical sections of the courses. A student who is unsafe in the clinical area may be dismissed from the program.

Returning to Clinicals following an Absence

Students who are not enrolled in nursing clinical courses for two or more consecutive semesters will need to have an Administrative Program Review to determine their currency of content and skills prior to returning to the clinical setting. The program review will be conducted by the Dean's designee.

Health Services Fee

On April 26, 1999, the University of Louisville's Board of Trustees approved a Health Services Fee. Every HSC student will be assessed the Health Services Fee each semester. Service provided by the fee:

- All pathogen exposure (TB and needle stick) to include outside labs, x-ray, and medications
- All visits to the Student Health Services

Mental Health Services Medications, lab, or X-ray costs that might be associated with these visits are not covered by the fee.

Clinical Laboratory Fee

The UofL Board of Trustees approved instructional and clinical fees for nursing courses numbered 300 and all upper division courses effective Fall 2012. The purpose of the fees is to support the maintenance and operational expenses associated with providing clinical instruction.

Transportation

Students are individually responsible for arranging their own transportation to the clinical sites or other outside clinical experiences. Absence from class or scheduled clinical experiences due to transportation problems is not acceptable. Carpool arrangements will not be part of the decision making process when clinical assignments are made.

Student Paper and Assignments

Student papers/assignments may be displayed as student examples for course files and accreditation purposes. Identifying student information will be removed in the event of such usage. Student work used for any other purposes will require permission from the student(s) prior to faculty use.

Technical Standards for Performance

Technical standards, distinguished from academic standards, consists of the minimum physical, cognitive, and emotional requirements for the full participation in the nursing educational programs. The nature of professional nursing education is to prepare practitioners to interact with clients and provide safe, competent nursing care. It is the responsibility

of the faculty to regularly assess all individual student performance and abilities in relation to both the academic and technical standards of the program. Fitness for the profession will be based on an individualized assessment of the student's abilities to achieve an array of competencies essential for safe nursing practice.

Physical attributes

Students must have functional use of the somatic senses and the senses of vision and hearing. Students must have the ability to observe through visual, auditory, and somatic senses. Students must have adequate motor capabilities to safely perform required diagnostic and therapeutic maneuvers and procedures.

Communication Skills

Students must possess basic communication skills upon which to base the development of client oriented professional communication.

Cognitive Functioning

Students must possess the cognitive abilities required to receive information, categorize, analyze, and manipulate data essential to the care of clients. Students must have the ability to make decisions quickly, and to function effectively on a regular and predictable schedule.

Social and Behavioral Functioning

Students must possess social patterns of behavior consistent with safe and ethical practice with individual clients, families and groups of people. Students must have the mental control to handle emotions that might affect practice performance.

Minimum Grade Requirements

Students must earn a grade of "C" or above in the following courses (or their equivalents):

Code	Title	Hours
ENGL 101	Introduction to College Writing - WC	3
ENGL 102	Intermediate College Writing - WC	3
BIOL 257	Introduction to Microbiology - S	3
BIOL 258	Introduction to Microbiology Laboratory - SL	1
CHEM 105	Chemistry for Health Professionals - S	4
HSS 303	Human Nutrition	3
BIOL 260	Human Anatomy & Physiology I	3
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1
NURS 338	Lifespan Pathophysiology	4
NURS 395	Nursing Pharmacotherapeutics	3

Anatomy and Physiology Completion Requirement

The School of Nursing highly recommends that students complete the two semesters of anatomy and physiology with a lab at the same institution prior to admission into the upper division curriculum (BIOL 260, BIOL 261, BIOL 262). Transfer courses must be officially evaluated and determined equivalent to the University of Louisville's anatomy and physiology courses.

Student Grievance Policies

Representatives from administration and faculty serve on the School of Nursing's BSN/MSN Academic Affairs Committee. This committee reviews academic policies related to undergraduate nursing students. Student representatives have full voting rights except on

confidential matters involving other students; in these cases the student representatives are excused. Students wishing to petition a School of Nursing policy should contact an Academic Advisor concerning procedure, students' rights and responsibilities, and appropriate steps to take for resolution within the unit. University of Louisville also has a Student Academic Grievance Policy designed to provide fair means of dealing with student complaints regarding a specific action or decision made by the faculty as a whole, a faculty member, or the unit. Students who believe they have been treated unfairly, discriminated against, or have had their rights abridged may initiate a grievance which shall be processed in accordance with the Student Academic Grievance Procedure (p. 82) pursuant to *The Redbook*. (See University of Louisville Student Handbook for more information.)

Student Petitions

Any student wanting to be exempted from a School of Nursing policy should make an appointment with an academic advisor and, if necessary, to file a petition. The academic advisor will submit the request to the Dean or dean's designee who will make the decision or determine if an appropriate undergraduate faculty committee should hear the petition.

After hearing the petition, the committee makes a recommendation to the dean, who makes the final decision. A student may not petition to a committee for a change of grade in a course. However, the student may petition to the Committee regarding the fairness in which a grade was calculated. The Committee does not have the authority to recommend grade changes.

Academic Dishonesty Policy

The term "academic dishonesty" means obtaining or seeking to obtain an unfair academic advantage for oneself or for any other student; it includes lying, cheating, stealing, or engaging in otherwise dishonest conduct in the course of or related to any academic exercise (Code of Student Rights and Responsibilities, University of Louisville). According to the Code of Student Rights and Responsibilities at the University of Louisville, academic dishonesty is prohibited at the University. Academic dishonesty is a serious offense because it diminishes the quality of scholarship, makes accurate evaluation of student progress impossible, and defrauds those in society who must ultimately depend upon the knowledge and integrity of the institution and its students and faculty. Academic dishonesty includes, but is not limited to, cheating, fabrication, falsification, plagiarism, multiple submission, and complicity in academic dishonesty (Code of Student Rights and Responsibilities).

After identifying suspected academic dishonesty occurring in any academic program at the University of Louisville School of Nursing, the following steps will be taken:

1. A meeting to discuss the suspected academic dishonesty will occur with the faculty member, the course coordinator/leader, and the student(s). This meeting should take place, if possible, within 10 working days after identification of the suspected academic dishonesty.
2. The faculty member in collaboration with the course coordinator/leader will provide a letter to the Dean or his/her designee, if possible, within five working days of completion of investigation of the academic dishonesty. The faculty member's letter shall include
 - a. A detailed description of the academic dishonesty;
 - b. Copies of supportive material; and
 - c. A recommendation commensurate with the seriousness and circumstances of the academic dishonesty.

3. The Dean or his/her designee will schedule a meeting with the involved parties prior to making a decision.
4. The Dean or his/her designee will respond in writing to the faculty member by accepting or modifying the recommendation, if possible, within five working days of receipt of the recommendation.
5. The Dean or his/her designee will send a letter to the student(s) regarding the outcomes of the investigation and/or consequences, if possible, within five working days of notifying the faculty member of his/her written recommendation. Copies of this letter will be sent to the student's Office of Student Services advisor and the Dean of the School of Nursing. The letter to the student(s) shall include a copy of this procedure.

All records and documents obtained, prepared or related to the investigation and disposition of a charge of academic dishonesty will be maintained in the student's Office of Student Services file.

Disability Statement

Students with disabilities, who need reasonable modifications to successfully complete assignments and otherwise satisfy course criteria, are encouraged to meet with the instructor as early as possible to identify and plan specific accommodations. If determined necessary, students will be directed to the Disability Resource Center. Any identified modification(s) deemed necessary must be documented in writing by the Disability Resource Center and provided to the School of Nursing. The Disability Resource Center must re-evaluate and provide documentation each semester.

Undergraduate Programs

- Nursing (RN-BSN Online Program) (BSN) (p. 357)
- Nursing, Pre-Licensure Program (BSN) (p. 359)
- Wellness Coaching (Minor) (p. 465)

School of Public Health and Information Sciences



School of Public Health and Information Sciences

Undergraduate Affairs
Studio Arts Bldg., Room 100
University of Louisville
Louisville, KY 40292

Phone: (502) 852-3607

Email: publichealth@louisville.edu

Website: louisville.edu/sphis

Social: Facebook (<https://www.facebook.com/SPHIS>), Twitter (<http://twitter.com/ulsphis>), LinkedIn (http://www.linkedin.com/groups?gid=4451132&trk=hb_side_g)

About

The School of Public Health and Information Sciences (SPHIS) officially reopened as a University of Louisville unit in September 2002. In December 2008, the school moved to its newly renovated home on East Gray Street across from the Louisville Metro Department of Public Health and Wellness.

The original School of Public Health at University of Louisville was formed in 1919, making it one of the first schools of public health in the United States. Funding for the development of the school came from a \$30,000 contribution by the Kentucky State Board of Health. The school was housed on the third floor of the Kentucky Board of Health Building at the corner of 6th and Main Streets. The primary focus of the school was the training of health officers and public health nurses to deal with welfare work in poor communities. The school was deactivated in 1924.

The School of Public Health and Information Sciences is a distinctive school of public health, positioned to protect the public's health in the 21st century by identifying emerging health threats and risks, monitoring health factors and status, understanding how people seek and respond to health information and preparing responses to events that can affect the public's health.

While we embrace the traditional tasks and roles of public health specialists, we recognize that protecting the public's health today requires much more. It requires a new approach that integrates how information about the public's health is acquired, evaluated, acted on and disseminated, and how these affect the public and its health. It requires preparing our students for careers in the 21st century by using 21st century knowledge and techniques.

School Administration

The School of Public Health and Information Sciences website has a complete and up-to-date list of the School of Public Health leadership (<https://louisville.edu/sphis/administration>).

Faculty & Departmental Information

The complete and up-to-date list of faculty (<https://louisville.edu/sphis/directory>) can also be located on the SPHIS website.

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- Environmental Health (Minor) (p. 444)
- Global Public Health (Minor) (p. 448)
- Public Health (BA) (p. 400)
- Public Health (BS) (p. 402)
- Public Health (Minor) (p. 459)
- Public Health Nutrition (Minor) (p. 459)

MAJORS



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D

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E

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G

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L

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Online Bachelor's Degrees

- Accountancy (BSBA) (<http://louisville.edu/online/programs/bachelors/bs-in-business-administration-in-accountancy>)
- Communication (BA) (<http://louisville.edu/online/programs/bachelors/online-bachelor-of-arts-or-science-in-communication>)
- Communication (BS) (<http://louisville.edu/online/programs/bachelors/online-bachelor-of-arts-or-science-in-communication>)
- Criminal Justice (BS) (<http://louisville.edu/online/programs/bachelors/bachelor-of-science-in-criminal-justice>)
- Nursing (RN-BSN) (<http://louisville.edu/online/programs/bachelors/rn-to-bachelor-of-science-in-nursing>)
- Organizational Leadership and Learning (BS) - multiple tracks (<http://louisville.edu/online/programs/bachelors/bachelor-of-science-in-organizational-leadership-and-learning>)
- Psychology (BA) (<http://louisville.edu/online/programs/bachelors/bachelor-of-arts-in-psychology>)
- Social Work (BSW) (<http://louisville.edu/online/programs/bachelors/bachelor-of-social-work>)
- Sociology (BA) (<https://louisville.edu/online/programs/bachelors/bachelor-of-arts-in-sociology>)
- Sport Administration (BS) (<http://louisville.edu/online/programs/bachelors/bachelor-of-science-in-sport-administration>)
- Women's, Gender and Sexuality Studies (BA) (<https://louisville.edu/online/programs/bachelors/bachelor-of-arts-in-womens-and-gender-studies>)

Online Undergraduate Certificate

- Geospatial Technologies, Applied (<http://louisville.edu/online/programs/certificate-programs/applied-geospatial-technologies>)

Online Post-Baccalaureate Certificate

- Accounting (<http://louisville.edu/online/programs/certificate-programs/accounting>)

American Sign Language Interpreting Studies (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in American Sign Language Interpreting Studies

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://louisville.edu/modernlanguages>)

Academic Plan Code(s): ASLIBS

Program Information

UofL's American Sign Language Interpreting Studies (ASLIS) program provides students the training needed to function as qualified interpreters. This includes learning ASL, understanding the basics of ASL linguistics, Deaf history and culture, and the fundamentals of the interpreting process. We emphasize communicative and cultural competency as well as critical thinking abilities that can be used in both academic and non-academic careers.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	7
	Program/Major Requirements ¹	86
Minimum Total Hours		124

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BS in ASLIS not automatic. Entry requires functional fluency in ASL and basic interpreting competencies, a minimum overall GPA of 2.25, and a minimum GPA of 3.0 in ASL and ITP courses. The final exam in ITP 220 also serves as part of the ASLIS screening process for entry into the major. Once accepted into the major, students need to work closely with their advisor. Seniors are required to complete roughly 450 hours in an advanced interpreting practicum. For more details, contact the Department.

The Application for Major form can be found on the Arts & Sciences Advising Center website: louisville.edu/artsandsciences/advising/apply.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following course is required by the program and can satisfy the respective General Education Requirements:

ITP 115	Heritage & Culture of the Deaf - D1, SB
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^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language: incorporated into plan requirements listed below ¹		
Electives in Natural Sciences or Social Sciences at the 300 level or above ²		6
WR: two approved courses at the 300-level or above ³		
Minimum Total Hours		7

Program/Major Requirements

Code	Title	Hours
Prerequisite Courses		
ITP 115	Heritage & Culture of the Deaf - D1, SB	3
ITP 220	Processing Skills for Interpreters ⁴	3
ITP 225	Introduction to Interpreting	3
Core Courses		
ITP 210	Application of Fingerspelling and Number Systems	3
ITP 310	Multiculturalism and Interpreting	2
ITP 320	English to ASL Interpreting I	3
ITP 325	ASL to English Interpreting I	3
ITP 337	Education of the Deaf and Hard of Hearing	3
ITP 350	Historical Perspectives on the Deaf Community - WR	3
ITP 370	Interpreting in Specialized Settings I	3
ITP 390	Linguistics and American Sign Language I	3
ITP 420	English to ASL Interpreting II	3
ITP 425	ASL to English Interpreting II	3
ITP 430	Interpreting in Specialized Settings II	3
ITP 440	Advanced Simultaneous Interpretation	1
ITP 470	Practicum in Interpreting I	3
ITP 490	Linguistics and ASL II	3
Practicum		
ITP 495	Practicum in Interpreting II - CUE	10
Supporting Courses		
ASL 101	American Sign Language I	3
ASL 102	American Sign Language II	3
ASL 201 & ASL 202 or ASL 205	American Sign Language III American Sign Language IV Accelerated American Sign Language III & IV	6
ASL 301	American Sign Language V	3
ASL 302	American Sign Language VI	3
ASL 400	American Sign Language VII	3
ASL 405	Advanced ASL	1
Select one of the following:		
HUM 591	Perspectives on Ancient Culture - WR	3
HUM 592	Perspectives on Medieval Culture - WR	3
HUM 593	Perspectives on Early Modern Culture - WR	3
HUM 594	Perspectives on Modern Culture - WR	3
HUM 595	Principles of Cultural History - WR	3
HUM 596	Selected Perspectives in Humanities - WR	3

Electives in the Division of Humanities, other than Interpreter Training, at the 300 level or above	3
Minimum Total Hours	86

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:		
ITP 495	Practicum in Interpreting II - CUE	

- Completion of the second semester of a single foreign language; hours will vary depending on the language taken.
- In addition to courses counted toward General Education.
- May be incorporated into the other degree requirements.
- The final exam in ITP 220 is part of the ASLIS screening process, which determines a student's eligibility to enter the program in the following fall.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ASL 101	American Sign Language I	3
ITP 115	Heritage & Culture of the Deaf - D1, SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
ASL 102	American Sign Language II	3
ITP 337	Education of the Deaf and Hard of Hearing	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Historical Perspective Global Diversity - SBHD2		3
Hours		15
Year 2		
Fall		
ASL 201	American Sign Language III	3
ITP 350	Historical Perspectives on the Deaf Community - WR	3
General Education: Cardinal Core Natural Science with Lab - B		4
General Elective		3
ITP 210	Application of Fingerspelling and Number Systems	3
Hours		16
Spring		
ASL 202	American Sign Language IV	3
ITP 220	Processing Skills for Interpreters	3
ITP 310	Multiculturalism and Interpreting	2
ITP 225	Introduction to Interpreting	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		17

Year 3		
Fall		
ASL 301	American Sign Language V	3
ITP 320	English to ASL Interpreting I	3
ITP 325	ASL to English Interpreting I	3
ITP 390	Linguistics and American Sign Language I	3
Natural Science or Social Science Elective (300 level or above)		3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Hours		18

Spring		
ASL 302	American Sign Language VI	3
ITP 370	Interpreting in Specialized Settings I	3
ITP 420	English to ASL Interpreting II ((with consent of instructor))	3
ITP 490	Linguistics and ASL II	3
Humanities Elective (non-ITP) (300 level or above)		3
Hours		15

Year 4		
Fall		
ASL 400	American Sign Language VII	3
ITP 425	ASL to English Interpreting II	3
ITP 430	Interpreting in Specialized Settings II	3
ITP 470	Practicum in Interpreting I	3
Hours		12
Spring		
ASL 405	Advanced ASL	1
ITP 440	Advanced Simultaneous Interpretation	1
ITP 495	Practicum in Interpreting II - CUE	10
Natural Science or Social Science Elective (300 level or above)		3
Hours		15
Minimum Total Hours		124

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

- Log into your ULink account.
- Click on the Student Services tab.
- Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
- To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Anthropology (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Anthropology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Anthropology (<http://louisville.edu/anthropology>)

Academic Plan Code(s): ANTHBA

Program Information

The Anthropology major at the University of Louisville includes 200-level and 300-level courses in Archaeology, Biological Anthropology, and Cultural Anthropology; a Methods course in one sub-discipline; ANTH 475, which enables majors to apply Anthropology in real-world situations; and ANTH 508, the capstone course that provides a fundamental understanding of the ideas that underlie Anthropology.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/MA in Anthropology

Undergraduate Anthropology majors who are already thinking about pursuing a master's degree in Anthropology can speed up the process by applying some of their undergraduate credit hours toward a Master of Arts degree. Students take three graduate-level courses/nine (9) credit hours (either 500-level with the additional graduate-level assignments or 600-level) while still an undergraduate and then have those credits apply

both toward the undergraduate degree and an eventual master's degree from UofL. Students may pursue either the thesis or experiential (non-thesis) option within the MA Program.

Interested students should:

1. Have a minimum overall Anthropology GPA of 3.3 and meet all other requirements for admission to the Anthropology Master of Arts program (including at least 18 credit hours of Anthropology with at least nine (9) hours at the 300 level or higher).
2. Complete the Anthropology Department's internal application for permission to participate in the accelerated BA/MA program and the Graduate School's application for admission to the Master of Arts program. Students must apply by no later than the end of their junior year.

Students must retain a 3.0 GPA in Anthropology during their senior year to remain in the program.

Departmental Admission Requirements

Admission to the BA in Anthropology requires a minimum cumulative grade point average of 2.0.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA/MA in Anthropology

Students apply to the Accelerated BA/MA program toward the end of their junior year. Applicants should have completed at least 18 credit hours in Anthropology (ANTH) coursework, with at least nine (9) credit hours are the 300 level or higher. Students must have at least a 3.3 GPA in these and any other ANTH courses.

Students must first complete the internal application form requesting departmental permission to participate in the accelerated program. After obtaining the department's approval, the student applies for admission to the Graduate School (<https://louisville.edu/graduate/apply>); complete applications include:

1. GRE scores
2. Names of referees
3. Unofficial transcript
4. Statement of Purpose.

Upon admission to the accelerated program, students will select courses in consultation with their advisor and the Anthropology Director of Graduate Studies (DGS).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

ANTH 201	Introduction to Cultural Anthropology - D2, SB
ANTH 202	Biological Anthropology - S or ANTH 207 Principles of Biological Anthropology - B

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Anthropology		
ANTH 201	Introduction to Cultural Anthropology - D2, SB	3
ANTH 202	Biological Anthropology - S	3-4
or ANTH 207	Principles of Biological Anthropology - B	
ANTH 204	Archaeology - D2, SB	3-4
or ANTH 206	Principles of Archaeology - B	
ANTH 475	Engaged Anthropology - CUE	3
ANTH 508	History of Anthropology - CUE, WR	3
Methods (Select one of the following):		3
ANTH 509	Archaeological Theory and Methods - WR	
or ANTH 526	Archaeology as Practice	
ANTH 510	Methods in Biological Anthropology - WR	
or ANTH 512	Methods in Skeletal Forensics - WR	
ANTH 511	Ethnographic Methods - WR	
Archaeology (select one of the following):		3
ANTH 301	Archaeology of Sacred Sites	
ANTH 302	Underwater Archaeology	
ANTH 304	Prehistoric Archaeology Europe - SBH	
ANTH 311	Emergence of Human Culture - SBH	
ANTH 312	Rise of Civilization	
ANTH 316	Ancient Civilizations of Mesoamerica	
ANTH 322	Archaeology of North America - SBH	
ANTH 326	African Archaeology	
ANTH 328	Environmental Archaeology	
ANTH 329	Zooarchaeology	
ANTH 330	Urban and Historic Archaeology	
ANTH 364	Special Topics in Archaeology	
ANTH 377	Field Methods in Archaeology	
ANTH 378	Lithic Technology	
ANTH 379	Ceramic Analysis	
ANTH 526	Archaeology as Practice	
ANTH 529	Zooarchaeology	
ANTH 530	Human Impacts on Past Environments	
ANTH 578	Lithic Technology	
ANTH 579	Ceramic Analysis	

Biological Anthropology (select one of the following):		3
ANTH 303	Human Origins	
ANTH 305	Genes, Peoples and Evolution	
ANTH 306	Human Biological Variation	
ANTH 307	Darwin	
ANTH 308	Primates	
ANTH 327	Fundamentals of Skeletal Forensics	
ANTH 351	Medical Anthropology	
ANTH 353	Evolutionary Anthropology	
ANTH 354	Anthropology of Infectious Disease	
ANTH 363	Special Topics in Biological Anthropology	
ANTH 410	Skeletal Forensics	
ANTH 535	Nutritional Anthropology	
ANTH 540	Health and Civilization	
ANTH 563	Special Topics in Biological Anthropology	
Cultural Anthropology (select one of the following):		3
ANTH 309	Sex, Gender and Culture	
ANTH 310	Race, Culture, Identity	
ANTH 313	Studies in Ethnomusicology - D2, SB	
ANTH 314	Introduction to Japanese Society - D2, SB	
ANTH 315	The Anthropology of Europe - SB	
ANTH 317	Anthropology of China - D2, SB	
ANTH 318	African-American Cultural Traditions	
ANTH 319	Cultures of the Middle East	
ANTH 320	Indians of North America - D1, SBH	
ANTH 321	American Indian Women	
ANTH 323	Cultures of Africa - D2, SB	
ANTH 324	Iberian Anthropology	
ANTH 325	The Anthropology of Latin America - D2, SB	
ANTH 331	Anthropology of Religion	
ANTH 332	Ecology, Politics and Culture	
ANTH 333	Globalizing Inequalities - WR	
ANTH 334	Conflict, Law, and Culture	
ANTH 336	War and Society - WR	
ANTH 337	Nationalism, Violence, and the State	
ANTH 338	Anthropology of Refugees	
ANTH 339	The Anthropology of Space and Place	
ANTH 340	Human Rights	
ANTH 342	Museums, Culture and Nationhood	
ANTH 343	Language and Culture - AH, D1	
ANTH 344	Anthropology of Clothing	
ANTH 346	Sustainability: Anthropological Perspectives	
ANTH 347	Global Capitalisms	
ANTH 348	State & Empire	
ANTH 349	Modes of Consciousness	
ANTH 352	Food and Body Politic	
ANTH 362	Special Topics in Cultural Anthropology	
ANTH 507	Space, Place and Culture	
ANTH 522	Ecology, Politics and Culture	
ANTH 534	Food and Farm Movements in the Americas	
ANTH 562	Special Topics in Cultural Anthropology	
Anthropology Electives		9

Select three courses from any elective category above or from the following:

ANTH 361	Special Topics in Anthropology
ANTH 401	Cooperative Internship in Anthropology
ANTH 430	Practicum in Anthropology Education
ANTH 450	Readings and Research
ANTH 451	Independent Study
ANTH 499	Senior Honors Thesis
ANTH 517	Anthropology of China
ANTH 528	Animals and Humans
ANTH 531	Anthropology of Water
ANTH 549	Modes of Consciousness

Supporting Courses

Electives in the Social Sciences, Natural Sciences, and Humanities (other than Anthropology) ⁴	21
Minimum Electives ⁵	9-11
Minimum Total Hours	68

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
ANTH 475	Engaged Anthropology - CUE	
ANTH 508	History of Anthropology - CUE, WR	

- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- ³ May be incorporated into other degree requirements
- ⁴ 15 hours must be at the 300-level or above.
- ⁵ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Qualitative Reasoning - QR		3
ANTH 201	Introduction to Cultural Anthropology - D2, SB	3
General Elective		2
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology)		3

ANTH 202 or ANTH 207	Biological Anthropology - S or Principles of Biological Anthropology - B	3-4
Hours		16-17

Year 2

Fall

General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 1		4
ANTH 204 or ANTH 206	Archaeology - D2, SB or Principles of Archaeology - B	3-4
General Elective		3
Hours		16-17

Spring

General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Foreign Language 2		4
Cultural Anthropology Course		3
Humanities or Natural Science Elective		3
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology)		3
Hours		16

Year 3

Fall

Foreign Language 3		4
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology) (300 level or above)		3
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology) (300 level or above)		3
Archaeology Course		3
ANTH 475	Engaged Anthropology - CUE	3
Hours		16

Spring

Foreign Language 4 (if needed to total 12 hours of foreign language) or General Elective		3
Humanities or Natural Science Elective (300 level or above)		3
Biological Anthropology Course		3
Anthropology Elective		3
Select one of the following:		3
ANTH 509	Archaeological Theory and Methods - WR	
ANTH 510	Methods in Biological Anthropology - WR	
ANTH 511	Ethnographic Methods - WR	
ANTH 512	Methods in Skeletal Forensics - WR	
ANTH 526	Archaeology as Practice	
Hours		15

Year 4

Fall

Humanities or Natural Science Elective (300 level or above)		3
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology) (300 level or above)		3
Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology) (300 level or above)		3
Anthropology Elective (300 level or above)		3
ANTH 508	History of Anthropology - CUE, WR	3
Hours		15

Spring

Social Sciences, Natural Sciences, or Humanities Elective (not Anthropology) (300 level or above)		3
General Elective		3
General Elective		3
Anthropology Elective		3
Hours		12
Minimum Total Hours		121-123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Art (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Art

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Fine Arts (<http://louisville.edu/art>)
Academic Plan Code(s): ART_BA

Program Information

The Bachelor of Arts (BA) in Art program is a mixed-media degree primarily intended for art students who wish to receive a broad experience in studio practice within the context of a liberal arts education.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

All students wishing to major in the Department of Fine Arts specializing in studio art must complete and submit a separate "Application for Admission" to the department. Admission is selective and enrollments may be limited. Studio art courses may be restricted to majors only. Enrolled University of Louisville students may obtain an application and apply through the department's offices. Incoming and transfer students must be accepted by the University first, and then apply for admission to the department.

To qualify for admission to the department, students must be admitted to the University in Good Standing, have a minimum cumulative GPA of 2.5, and meet the minimum overall grade point standards for the College of Arts & Sciences. In addition, a grade of D in any department course at the 300 level or above may not be used to fulfill a departmental requirement.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]		31

The following courses are required by the program and can satisfy the respective General Education Requirement:

Two of the following:

- ARTH 250 Ancient Through Medieval Art - AH
- or ARTH 270 Renaissance Through Modern Art - AH
- or ARTH 290 Survey of Asian Art - AH, D2

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		12
Electives in Natural Sciences or Social Sciences ²		9

WR—two approved courses at the 300 level or above³

Minimum Total Hours 22

Program/Major Requirements

Code	Title	Hours
Department of Fine Arts		
ART 105	Foundation 2-D Design	3
ART 106	Foundation 3-D Design	3
ART 107	Foundation Drawing	3
Select one of the following:		3
ART 206	Foundation Art Concepts and Methods	
ART 207	Foundation Figure Drawing	
Select two of the following:		6
ARTH 250	Ancient Through Medieval Art - AH ⁴	
ARTH 270	Renaissance Through Modern Art - AH ⁴	
ARTH 290	Survey of Asian Art - AH, D2 ⁴	
Art History elective at the 300 level or above		3
Select four of the following:		12
ART 301	Introduction to Painting	
ART 305	Drawing and Composition	
ART 311	Introduction to Glassmaking Techniques	
ART 321	Introduction to Sculpture	
ART 331	Introduction to Clay	
ART 341	Introduction to Printmaking	
ART 351	Introduction to Black and White Photography	
ART 361	Introduction to Interior Design	
ART 381	Introduction to Fiber/Mixed Media	
ART 383	Papermaking	
ART 385	Introduction to Book Arts	
ART 390	Special Problems in Studio Art	
ART 599	Studio Art Undergraduate Capstone Seminar - CUE	1
Electives in Art at the 500 level		6
Supporting Courses		
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Electives in Humanities disciplines, other than Art or Art History, at the 300 level or above		15
Minimum Electives ⁵		10
Minimum Total Hours		68

Note: A grade of C-minus or better is required in all 300-level and 500-level courses in the major.

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code Title Hours
Culminating Undergraduate Experience (For students admitted Summer 2014 or later)

Requirement fulfilled by completing:		
ART 599	Studio Art Undergraduate Capstone Seminar - CUE	
1	Completion of the intermediate level of a single foreign language.	
2	In addition to courses counted toward General Education; 6 hours must be at 300 level or above.	
3	May be incorporated into other degree requirements.	
4	Fulfills General Education requirement.	
5	Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.	

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 107	Foundation Drawing	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 206 or ART 207	Foundation Art Concepts and Methods or Foundation Figure Drawing	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Year 2		
Fall		
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Art Elective (300 level)		3
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 1		4
General Elective		3
Hours		16
Spring		
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Art Elective (300 level)		3
Foreign Language 2		4
Hours		16

Year 3

Fall	
Art Elective (300 level)	3
Art History Elective (300 level)	3
General Education: Cardinal Core Arts & Humanities - AH	3
Foreign Language 3	4
General Elective	3
Hours	16

Spring

WR Course (300 level or above)	3
Art Elective (300 level)	3
Social Science or Natural Science Elective (300 level or above)	3
Humanities Elective (300 level or above)	3
General Elective	3
Hours	15

Year 4

Fall	
Art Elective (500 level)	3
Humanities Elective (300 level or above)	3
Humanities Elective (300 level or above)	3
Social Science or Natural Science Elective (300 level or above)	3
General Elective (300 level or above)	1
Hours	13

Spring

Select one of the following:	3
HUM 591 Perspectives on Ancient Culture - WR	
HUM 592 Perspectives on Medieval Culture - WR	
HUM 593 Perspectives on Early Modern Culture - WR	
HUM 594 Perspectives on Modern Culture - WR	
HUM 595 Principles of Cultural History - WR	
HUM 596 Selected Perspectives in Humanities - WR	
Art Elective (500 level)	3
Humanities Elective (300 level or above)	3
Social Science or Natural Science Elective	3
Humanities Elective (300 level or above)	3
ART 599 Studio Art Undergraduate Capstone Seminar - CUE	1
Hours	16
Minimum Total Hours	121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Art - Fine Art (BFA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Fine Arts in Art

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Fine Arts (<http://louisville.edu/art>)
Academic Plan Code(s): See Track Requirements tab.

Program Information

The Department of Fine Arts and the Hite Art Institute offers the Bachelor of Fine Arts (BFA) degree, which is primarily intended for professionally oriented art students and those planning to pursue graduate work in studio arts. The BFA provides the opportunity for students to go into more depth in a chosen area. There are four tracks in the BFA Program:

- Graphic Design (<http://louisville.edu/art/Undergraduate/bfa-in-art-or-design/cad.html>)
- Interior Design (<http://louisville.edu/art/Undergraduate/bfa-in-art-or-design/bfa-in-interior-design>)
- 2D Studios (<http://louisville.edu/art/Undergraduate/bfa-in-art-or-design/bfa-2d-studios>)
Drawing, Painting, Photography, Printmaking
- 3D Studios (<http://louisville.edu/art/Undergraduate/bfa-in-art-or-design/bfa-3d-studios>)
Ceramics, Fiber Arts/Mixed Media, Glass, Sculpture

The 2D and 3D Studio tracks allow students to customize their degree to either focus primarily on a specific studio area or to work cross-media taking courses in several studio areas.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31
	College/School Requirements	10
	Program/Major Requirements ^{1,2}	47-50

Track Requirements	30-33
Minimum Total Hours	121

- Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.
- To complete the degree in the **minimum number of hours** listed for all tracks, some hours from the General Education Requirements may be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

The BFA degree is primarily intended for professionally oriented art students and for those planning to pursue graduate work in the studio arts.

Admission is selective, and enrollments may be limited. Enrolled University of Louisville students may apply for admission to the BFA program upon completion of the Foundation Program and the introductory course to the area of track, with a minimum grade point average of 3.0 in department (studio art and art history) courses and a cumulative grade point average of 2.5. Once admitted, students must maintain an overall grade point average of 2.5 or above and a 3.0 or above in department courses to remain enrolled in the BFA program.

Students who do not meet the GPA requirements will be placed on departmental probation and given one semester in which to raise their GPA. If unable to meet the GPA requirements within that time frame, students will be returned to the BA program in Studio Art. If removed, students may reapply to the BFA program once the GPA requirements have been met.

Upon admission to the BFA Program, students and faculty will complete and sign a BFA Student/Mentor Contract outlining the progress expected toward completion of the degree. If at any point during the student's study the mentor deems the student's progress and/or ability to meet his/her obligations as a student in the BFA program unsatisfactory that mentor has the right to resign his/her post as mentor. In this instance a student must seek another mentor or transfer back into the BA program in studio art. If a student requests a different mentor and no faculty agrees to work with them the student will be returned to the BA program in Studio Art.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For the BFA candidate in 2D or 3D studios, this includes a committee review of the candidate's work one semester prior to graduation and participation in the BFA exhibition held during the semester of graduation. For the BFA candidate in Graphic Design or Interior Design, this includes participation in the professional portfolio review at the end of their professional practice course.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

- ARTH 250 Ancient Through Medieval Art - AH
- or ARTH 270 Renaissance Through Modern Art - AH
- or ARTH 290 Survey of Asian Art - AH, D2

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Electives in Natural Sciences or Social Sciences ¹		9
WR—two approved courses at the 300 level or above ²		
Minimum Total Hours		10

Program/Major Requirements

Code	Title	Hours
Department of Fine Arts		
ART 105	Foundation 2-D Design	3
ART 106	Foundation 3-D Design	3
ART 107	Foundation Drawing	3
Select one of the following:		3
ART 205	Foundation Design Methods ³	
ART 206	Foundation Art Concepts and Methods ⁴	
ART 207	Foundation Figure Drawing ⁵	
Select two of the following: ⁶		6
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Art History electives at the 300 level or above ⁷		3-6
Studio Art electives at the 300 level ⁸		6
Studio Art Track		30-33
Supporting Courses		
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Electives in Humanities disciplines, other than Art or Art History, at the 300 level or above		15
Minimum Electives ⁹		0-2
Minimum Total Hours		80

60 hours minimum Art/Art History total for Interior Design and Graphic Design tracks; 63 hours minimum total for 2D Studios and 3D Studios

tracks. At least 50 of the total minimum hours required must be at the 300 level or above.

A grade of C-minus or better is required in all 300 and 500-level courses in the major.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Track in Interior Design requirement fulfilled by completing:		
ART 596	Professional Development in Interior Design - CUE	
Track in Graphic Design requirement fulfilled by completing:		
ART 598	Portfolio Development in Graphic Design - CUE	
Track in 2-D Studios requirement fulfilled by completing:		
ART 597	Professional Development in Studio Arts - CUE	
Track in 3-D Studios requirement fulfilled by completing:		
ART 597	Professional Development in Studio Arts - CUE	

- ¹ In addition to courses counting towards General Education; 6 hours must be at 300 level or above.
- ² May be incorporated into other degree requirements.
- ³ Students planning to study Graphic Design must take ART 205. Students planning to study Interior Design may choose either ART 205 or ART 206.
- ⁴ Students planning to study Interior Design may choose either ART 205 or ART 206.
- ⁵ Students planning to study 2D Studios or 3D Studios may choose either ART 206 or ART 207.
- ⁶ Fulfills General Education AH requirement.
- ⁷ BFA Graphic Design students must take ARTH 301 and a 300-level elective. BFA Interior Design students must take ARTH 347. BFA 2D Studios and 3D Studios must take 6 elective hours at the 300-level.
- ⁸ BFA Interior Design students must take ART 361 and ART 362; BFA Graphic Design students must take ART 371 and a 300-level elective. BFA 2D Studios and 3D Studios must take 6 elective hours at the 300-level.
- ⁹ BFA Graphic Design and BFA Interior Design students may have elective hours. Students who fulfill general education requirements with courses in the major or supporting courses may have electives. To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements may need to be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements may require additional hours to complete the degree requirements or decrease the listed electives.

Track Requirements

Track in Interior Design

Academic Plan Code(s): ART_BFAIAR

Code	Title	Hours
ART 559	Computer Applications for Interiors I	3
ART 561	Interior Design Studio I	3
ART 562	Interior Design Studio II	3
ART 563	Interior Design Studio III	3
ART 564	Interior Design Studio IV	3
ART 565	Directed Projects in Interior Design	3

ART 566	Interiors Construction	3
ART 567	Interior Finishes	3
ART 568	Building Systems	3
ART 569	Computer Applications for Interiors II	3
ART 596	Professional Development in Interior Design - CUE	3
Minimum Total Hours		33

Track in Graphic Design

Academic Plan Code(s): ART_BFACOA

Code	Title	Hours
ART 570	Design for Public Issues	3
ART 571	Typography I	3
ART 572	Typography II	3
ART 573	Identity Systems	3
ART 574	The Book Form	3
ART 576	Web Site Design	3
ART 598	Portfolio Development in Graphic Design - CUE	3
<i>Electives in Graphic Design</i>		6
Select two of the following:		
ART 510	Design for Visualizing Data and Information	
ART 520	Adventures in Design Methods and Processes	
ART 530	Environmental Graphic Design and Wayfinding	
ART 540	Art, Design and Meaning	
ART 550	Lettering and Font Design	
ART 575	Packaging Design	
ART 577	Design for Interaction	
ART 579	Directed Study in Graphic Design	
ART 580	Advanced Book Forms	
<i>Electives in Studio Art or Art History</i>		3
Minimum Total Hours		30

Track in 2-D Studios

Academic Plan Code(s): ART_BFA2DS

Code	Title	Hours
Track Requirements/Core		
ART 597	Professional Development in Studio Arts - CUE	3
Select five of the following:		
ART 501	Concepts in Painting	
ART 502	Advanced Concepts in Painting	
ART 503	Special Topics in Painting	
ART 504	Directed Study in Painting	
ART 505	Advanced Figure Drawing	
ART 506	Themes and Concepts in Drawing	
ART 507	Directed Study in Drawing	
ART 541	Studio Practice in Printmaking	
ART 542	Digital Printmaking	
ART 543	Directed Study in Printmaking	
ART 551	Lighting and View Camera	
ART 552	Color Imaging	
ART 554	Alternative and Historic Photographic Processes	

ART 555	Directed Study in Photography	
ART 556	Experimental Photography	
ART 557	Advanced Photography	

Electives		
15 hours of Studio Art (ART) or Art History (ARTH), 300-level or above	15	
Minimum Total Hours		33

Track in 3-D Studios

Academic Plan Code(s): ART_BFA3DS

Code	Title	Hours
Track Requirements/Core		
ART 597	Professional Development in Studio Arts - CUE	3
Select five of the following:		15
ART 511	Advanced Glassmaking Techniques	
ART 512	Directed Study in Glass	
ART 521	Practice of Sculpture	
ART 522	Sculpture Strategies	
ART 523	Directed Study in Sculpture	
ART 531	Advanced Ceramics: Wheelthrowing	
ART 532	Advanced Ceramics: Sculptural Forms	
ART 533	Clay Glazes and Firing	
ART 534	Directed Study in Ceramics	
ART 581	Advanced Fiber/Surface Design	
ART 582	Advanced Fiber/ Mixed Media Art	
ART 583	Papermaking	
ART 584	Directed Study in Fiber and Mixed Media Art	

Electives		
15 hours of Studio Art (ART) or Art History (ARTH), 300-level or above	15	
Minimum Total Hours		33

Flight Plan

Track in 2D Studio

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 107	Foundation Drawing	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
Select one of the following:		3
ART 206	Foundation Art Concepts and Methods	
ART 207	Foundation Figure Drawing	
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	

ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15

Year 2		
Fall		
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Global Diversity - SBD2		3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
General Elective		3
Hours		15

Spring		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity - SBHD1		3
General Education: Cardinal Core Arts & Humanities - AH		3
Art 2D elective (500 level)		3
Art or Art History elective (300 level or above)		3
Art History elective (300 level or above)		3
Hours		15

Year 3		
Fall		
Art 2D elective (500 level)		3
Art or Art History elective (300 level or above)		3
Social Science or Natural Science elective		3
Humanities elective (300 level or above)		3
Art History elective (300 level or above)		3
Hours		15

Spring		
Art 2D elective (500 level or above)		3
Art 2D elective (500 level or above)		3
Humanities and WR elective (300 level or above)		3
Social Science or Natural Science (300 level or above)		3
Art elective (300 level or above)		3
General Elective		1
Hours		16

Year 4		
Fall		
Art 2D elective (500 level or above)		3
Art elective (300 level or above)		3
Art elective (300 level or above)		3
Humanities elective (300 level or above)		3
Social Science or Natural Science elective (300 level or above)		3
Hours		15

Spring		
Art elective (300 level or above)		3
Art elective (300 level or above)		3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Humanities elective (300 level or above)		3
ART 597	Professional Development in Studio Arts - CUE	3

Humanities elective (300 level or above)	3
Hours	18
Minimum Total Hours	123

Track in 3D Studio

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 107	Foundation Drawing	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
Select one of the following:		3
ART 206	Foundation Art Concepts and Methods	
ART 207	Foundation Figure Drawing	
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15

Year 2

Fall		
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Elective		3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15

Spring

Art 3D elective (500 level or above)		3
Art History elective (300 level or above)		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
Hours		15

Year 3

Fall		
Art 3D elective (500 level or above)		3
Art elective (300 level or above)		3
Social Science or Natural Science elective		3
Humanities elective (300 level or above)		3
Art History elective (300 level or above)		3
Hours		15

Spring

Art 3D elective (500 level or above)		3
Art 3D elective (500 level or above)		3

Humanities and WR elective (300 level or above)	3
Social Science or Natural Science elective (300 level or above)	3
Art elective (300 level or above)	3
Hours	15

Year 4

Fall		
General Elective		1
Art 3D elective (500 level or above)		3
Art elective (300 level or above)		3
Art elective (300 level or above)		3
Humanities elective (300 level or above)		3
Social Science or Natural Science elective (300 level or above)		3
Hours		16

Spring

Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
ART 597	Professional Development in Studio Arts - CUE	3
Art elective (300 level or above)		3
Art elective (300 level or above)		3
Humanities elective (300 level or above)		3
Humanities elective (300 level or above)		3
Hours		18
Minimum Total Hours		123

Track in Graphic Design

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 107	Foundation Drawing	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Oral Communication - OC		3
Hours		17
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 205	Foundation Design Methods	3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15

Year 2

Fall		
General Education: Cardinal Core Natural Sciences - S		3
ART 371	Introduction to Graphic Design	3
ART 571	Typography I	3
ARTH 301	History and Issues of Graphic Design	3
Select one of the following:		3

ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15
Spring		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Social & Behavioral Sciences - SBD1		3
ART 572	Typography II	3
ART 576	Web Site Design	3
General Elective		3
Hours		15
Year 3		
Fall		
ART 574	The Book Form	3
Graphic Design Elective (500 level from list)		3
Social Science or Natural Science elective		3
Humanities elective (300 level or above)		3
Art History elective (300 level or above)		3
Hours		15
Spring		
Graphic Design Elective (500 level from list)		3
Art elective (300 level)		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Humanities WR elective (300 level or above)		3
Social Science or Natural Science elective (300 level or above)		3
Hours		15
Year 4		
Fall		
ART 570	Design for Public Issues	3
ART 573	Identity Systems	3
Social Science or Natural Science elective (300 level or above)		3
Art or Art History elective (300 level or above)		3
Humanities elective (300 level or above)		3
Hours		15
Spring		
ART 598	Portfolio Development in Graphic Design - CUE	3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Humanities elective (300 level or above)		3
Humanities elective (300 level or above)		3
General Elective		3
Hours		15
Minimum Total Hours		122

Track in Interior Design

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
ART 107	Foundation Drawing	3
General Education: Cardinal Core Natural Sciences - S		3

General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14

Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
ART 105 or ART 106	Foundation 2-D Design or Foundation 3-D Design	3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15

Year 2		
Fall		
ART 205	Foundation Design Methods	3
ART 361	Introduction to Interior Design	3
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15

Spring		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
ART 362	Color Theory and Human Factors in Interior Design	3
ART 561	Interior Design Studio I	3
ART 567	Interior Finishes	3
General Elective		3
Hours		18

Year 3		
Fall		
ART 559	Computer Applications for Interiors I	3
ART 562	Interior Design Studio II	3
ART 566 or ART 568	Interiors Construction or Building Systems	3
Social Science or Natural Science elective		3
Humanities elective (300 level or above)		3
Hours		15

Spring		
ART 563	Interior Design Studio III	3
ART 569	Computer Applications for Interiors II	3
ARTH 347	Historic Interiors	3
Humanities and WR elective (300 level or above)		3
Social Science or Natural Science elective (300 level or above)		3
Hours		15

Year 4		
Fall		
ART 564	Interior Design Studio IV	3
ART 566 or ART 568	Interiors Construction or Building Systems	3
Humanities elective (300 level or above)		3
Humanities elective (300 level or above)		3
Humanities elective (300 level or above)		3
Hours		15

Spring		
ART 565	Directed Projects in Interior Design	3
ART 596	Professional Development in Interior Design - CUE	3

Humanities elective (300 level or above)	3
Select one of the following:	3
HUM 591 Perspectives on Ancient Culture - WR	
HUM 592 Perspectives on Medieval Culture - WR	
HUM 593 Perspectives on Early Modern Culture - WR	
HUM 594 Perspectives on Modern Culture - WR	
HUM 595 Principles of Cultural History - WR	
HUM 596 Selected Perspectives in Humanities - WR	
Social Science or Natural Science elective (300 level or above)	3
Hours	15
Minimum Total Hours	122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Art History (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Art History

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Fine Art (<http://louisville.edu/art>)
Academic Plan Code(s): ARTHBA

Program Information

The Department of Fine Arts offers the Bachelor of Arts (BA) in Art History. Art History introduces students to the history and appreciation of the visual arts. The Art History BA provides students with an in-depth understanding of the history of art, architecture, and visual culture—their production, circulation, and reception—while teaching them to interrogate visuality more broadly.

For the undergraduate wishing to major in Art History, the program provides study in the areas of:

- Renaissance and Baroque Art in Italy, Spain, and Northern Europe,
- Mexican Art;
- 19th and 20th Century Architecture;
- American Art;
- Film;
- Modern, Contemporary western, and;
- Asian and Non-western Art and Architecture.

Courses are also offered in curatorial studies, historic interiors, the history of drawing and prints, the history of photography, and the history of graphic design.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/MA in Art History

Art History majors who are considering pursuing a master's degree (MA) in Art History can speed up the process by applying some of their undergraduate credit hours toward a master's degree. Students accepted into the Accelerated BA/MA program take three 500-level courses (9 credit hours) as an undergraduate that apply toward both the bachelor's degree and the eventual master's degree.

Interested students should apply to the program during Junior year (i.e. when they have accumulated 60-90 hours of credit). Students must have at least a 3.0 university grade point average when they apply and must maintain a 3.0 once accepted. Once admitted to the accelerated BA/MA program, students are expected to maintain a full graduate load of 9 credit hours.

Once accepted into the program, students complete 9 hours of 500-level coursework during their final year of undergraduate studies. They then graduate with a bachelor's degree and move straight into the UofL MA program. Students in the accelerated program must meet all of the requirements for the MA, including completing at least 12 credit hours of their 31-hour program in 600-level courses.

Departmental Admission Requirements

All students wishing to major in Art History must complete and submit a separate Application for Admission form to the department. Enrolled University of Louisville students may obtain an application and apply through the department's offices. Incoming and transfer students must be accepted by the University first, and then apply for admission to the department.

Accelerated BA/MA in Art History

Interested students apply to the accelerated program no later than the end of Junior year (i.e., before completing 90 hours of credit). To be considered for admission, a student must:

- Have a minimum university GPA of 3.0
- Complete an application for admission to the graduate program
- Supply GRE scores, transcripts, a statement of purpose, writing sample, and two (2) letters of recommendation

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
ARTH 250	Ancient Through Medieval Art - AH	
	or ARTH 270 Renaissance Through Modern Art - AH	
	or ARTH 290 Survey of Asian Art - AH, D2	

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
	or GEN 101 Arts and Sciences Orientation	
	Foreign Language ¹	12
	Electives in Natural Sciences or Social Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Fine Arts		
Select two of the following:		6
ARTH 250	Ancient Through Medieval Art - AH ⁴	

ARTH 270	Renaissance Through Modern Art - AH ⁴	
ARTH 290	Survey of Asian Art - AH, D2 ⁴	
Period/Area Courses⁵		9
<i>Pre 1750</i>		
Select one of the following:		
ARTH 345	History of Drawing and Prints	
ARTH 351	Greek Art and Architecture	
ARTH 353	Roman Art and Architecture	
ARTH 362	Early Medieval Art and Architecture - WR	
ARTH 363	Late Medieval Art and Architecture - WR	
ARTH 364	Byzantine Art & Architecture	
ARTH 367	Islamic Art and Architecture	
ARTH 371	Italian Renaissance Art I	
ARTH 372	Italian Renaissance Art II	
ARTH 373	Northern Renaissance Art	
ARTH 381	Baroque Art	
ARTH 551	Studies in Ancient Art	
ARTH 552	Ancient Painting	
ARTH 553	Ancient Cities	
ARTH 561	Studies in Medieval Art	
ARTH 571	Studies in Renaissance Art	
ARTH 574	History of Drawing and Prints	
ARTH 581	Studies in Baroque Art	
<i>After 1750</i>		
Select one of the following:		
ARTH 320	Twentieth-Century Art	
ARTH 321	Art 1900-1945	
ARTH 322	Pop Art & Fluxus	
ARTH 325	Art Since 1945	
ARTH 326	International Trends in Contemporary Art	
ARTH 343	African-American Art to 1920	
ARTH 344	African-American Art 1920 to Present	
ARTH 391	Nineteenth-Century Art	
ARTH 393	Nineteenth-Century Architecture	
ARTH 394	Twentieth-Century Architecture	
ARTH 395	American Art I	
ARTH 396	American Art II	
ARTH 397	History of Photography	
ARTH 398	History of Landscape Architecture	
ARTH 526	Studies in Contemporary Art	
ARTH 593	Studies in Modern Architecture	
ARTH 595	Studies in American Art	
ARTH 597	Studies in Photographic History	
<i>Non-Western</i>		
Select one of the following:		
ARTH 331	Chinese Art	
ARTH 335	Twentieth Century Chinese Artists and Architects - AH, D2	
ARTH 337	Eastern Asia Landscape Art	
ARTH 339	Architecture and Gardens in China and Japan	
ARTH 341	African Art: A Survey	
ARTH 365	Mexican Art and Architecture	

ARTH 531	Studies in Asian Art	
Two (2) 300+ electives in Art History		6
Two (2) 500-level electives in Art History		6
ARTH 541	Theories & Methods of Art History	3
ARTH 550	Art History Undergraduate Capstone Seminar - CUE	3
Supporting Courses		
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Courses in Humanities disciplines other than Art or Art History, at 300 level or above		15
Minimum Electives ⁶		17
Minimum Total Hours		68

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

Courses in studio art are calculated in the 40 hours allowed for art history majors.

At least 50 of the total minimum hours required must be at the 300 level or above.

Students are expected to meet the minimum overall grade point standards for the College of Arts & Sciences. In addition, a grade of D in any department course at the 300 level or above may not be used to fulfill a departmental requirement. A grade of C-minus or better is required in all 300- and 500-level courses in the major.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
ARTH 550	Art History Undergraduate Capstone Seminar - CUE	

- Completion of the intermediate level of a single foreign language.
- In addition to courses counted toward General Education; 6 hours must be at 300 level or above.
- May be incorporated into other degree requirements.
- Fulfills General Education requirement.
- Students must select a minimum of one course from each of the following three periods. Of the total 33 hours in Art History, 15 hours must be at the 300 level and 12 hours must be at the 500 level.
- Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1

ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 1		4
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		15

Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 2		4
Select one of the following:		3
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
Hours		16

Year 2		
Fall		
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 3		4
Art History Period/Area Course (300 level)		3
General Elective		3
General Elective		3
Hours		16

Spring		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Humanities Elective (300 level or above)		3
Art History Period/Area Course		3
Art History Elective (300 level)		3
Hours		15

Year 3		
Fall		
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Natural Sciences - S		3
Art History Period/Area Course (300 level)		3
General Elective		3
General Elective		3
Hours		15

Spring		
Social Science or Natural Science WR Elective (300 level or above)		3
Social Science or Natural Science Elective		3
Humanities Elective (300 level or above)		3
Art History Elective (300 level)		3
General Elective		3
Hours		15

Year 4		
Fall		
ARTH 541	Theories & Methods of Art History	3
Social Science or Natural Science Elective (300 level or above)		3
Humanities Elective (300 level or above)		3
Humanities Elective (300 level or above)		3
Art History Elective (500 level)		3
Hours		15

Spring		
Humanities Elective (300 level or above)		3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	

HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
ARTH 550	Art History Undergraduate Capstone Seminar - CUE	3
Art History Elective (500 level)		3
General Elective		3
Hours		15
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Asian Studies (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Asian Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Program: Asian Studies (<http://louisville.edu/asianstudies>)
Academic Plan Code(s): ASSTBA

Program Information

Asia is the home of 60 percent of the world's population. China and Japan are the second and third largest economies in the world, and India has also experienced very rapid economic growth in the last three decades. Asia has some of the world's most ancient civilizations in the world, such as the Chinese civilization and the Indian civilization.

The Bachelor of Arts in Asian Studies program at UofL is an undergraduate-level interdisciplinary program in the College of Arts and Sciences.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in Asian Studies requires a minimum 2.0 cumulative University of Louisville GPA.

The Application for Major form can be found on the Arts & Sciences Advising Center website: louisville.edu/artsandsciences/advising/apply.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]		31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
Multiple Courses - AH, D2 (see below)		
AST/ANTH 317	Anthropology of China - D2, SB	
	or AST 314 Introduction to Japanese Society - D2, SB	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Asian Studies Program		
AST 310	Introduction to Asian Studies	3
Art and Literature ⁴		
Choose one of the following:		
ARTH 339	Architecture and Gardens in China and Japan	
AST/ARTH 290	Survey of Asian Art - AH, D2	
AST 330/ ARTH 335	Twentieth Century Chinese Artists and Architecture - AH, D2	
AST/ARTH 331	Chinese Art	
AST/CHST 351	Chinese Literature in Translation I - AH, D2	
AST/ARTH 531	Studies in Asian Art	
CHST 353	Chinese Literary Theory	
CHST 361	Western Literature in China	
HUM 369	Asian Theatre	
Philosophy and Religion ⁴		
Choose one of the following:		
AST 340/ HUM 341	South Asian Religious Thought and Culture - AH, D2	
AST/CHST 341	Ethnicity and Religion in China	
AST/HUM 343	East Asian Religious Thought and Culture - AH, D2	
CHST 331	Chinese Culture and Tradition	
HUM 218	Introduction to Eastern Religious Traditions - AH, D2	
HUM 342	Eastern Mysticism	
HUM 307	East Asian Cultures - AH, D2	
HUM 314	Buddhist Scriptures	
PHIL 315	Asian Philosophy - AH, D2	
History ⁴		
Choose two of the following:		
HIST 396	History of India	
AST/HIST 397	Traditional China	
AST/HIST 398	Modern China	
AST/HIST 399	Modern Japan	
HIST 561	U.S. and Vietnam - CUE, WR	
HIST 584	Women in East Asian History	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
HIST 592	Civilizations of Modern India - CUE, WR	

HIST 598	Nationalism and Modernity in East Asia	
Politics ⁴		
Choose one of the following:		
AST/ANTH 347	Global Capitalisms	
AST/POLS 365	The People's Republic of China - WR	
AST/POLS 366	Politics of East Asia	
AST/POLS 367	Politics and Government of Southeast Asia	
AST 598	Nationalism and Modernity in East Asia	
POLS 345	Russia and Eurasia - WR	
POLS 362	Comparative Political Economy	
Popular Culture ⁴		
Choose one of the following:		
M L 271	Chinese Popular Culture - AH, D2	
M L 310	Japanese Culture Through Film - AH, D2	
M L 312	Japanese Popular Culture - AH, D2	
Contemporary Asia ⁴		
Choose one of the following:		
AST/ GEOG 308	Geography of China	
AST 314	Introduction to Japanese Society - D2, SB	
AST/ GEOG 316	Geography of South Asia	
AST/ANTH 317	Anthropology of China - D2, SB	
AST 323	Doing Business in China	
AST/CHST 333	Contemporary China	
AST/CHST 335	China Through Film - AH, D2	
Language Courses ⁵		
Select one of the following sequences:		
CHNS 301 & CHNS 302	Advanced Intermediate Chinese I & Advanced Intermediate Chinese II	
JAPN 301 & JAPN 302	Advanced Japanese I & Advanced Japanese II	
AST 495	Senior Seminar - CUE	3
One Asian Studies Humanities elective ⁶		3
One Asian Studies Social Science elective ⁷		3
Supporting Courses		
Electives in Social Sciences, other than Asian Studies, at the 300-level or above		15
Minimum Electives ⁸		14
Minimum Total Hours		68

Consult your AST advisor about how independent study and topics courses (AST 491, AST 500, AST 501) count in your major.

Only 40 hours of courses designated Asian Studies may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:
AST 495 Senior Seminar - CUE

- 1 Completion of the intermediate level of a single foreign language.
- 2 In addition to courses counted toward General Education; 6 hours must be at 300 level or above.
- 3 May be incorporated into other degree requirements.
- 4 AST 390, AST 391, AST 500, AST 501 and CHST 313 are special topics courses. They may used to satisfy any area degree requirement depending on topic appropriateness with the program director's approval.
- 5 Other Asian languages may be substituted upon approval of the Director of the Asian Studies Program
- 6 Asian Studies Humanities electives include the following:
AST 290/ARTH 290, AST 330/ARTH 335, AST 331/ARTH 331, ARTH 339, AST 270/CHST 270/M L 270, AST 323/CHST 323, CHST 313, CHST 331, AST 333/CHST 333, AST 335/CHST 335, AST 341/CHST 341, AST 351/CHST 351, CHST 353, CHST 361, HUM 218, HUM 307, AST 340/HUM 341, HUM 342, AST 343/HUM 343, HUM 369, AST 531/ARTH 531, M L 310, M L 313 (when topic is appropriate and approved by the program director).
- 7 Asian Studies Social Science electives include the following:
AST 317/ANTH 317, AST 347/ANTH 347, AST 308/GEOG 308, AST 316/GEOG 316, AST 397/HIST 397, AST 398/HIST 398, AST 399/HIST 399, AST 365/POLS 365, AST 366/POLS 366, AST 367/POLS 367, HIST 396, HIST 561, HIST 584, HIST 591, HIST 592, HIST 598, POLS 345, POLS 362.
- 8 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
CHNS 101 or JAPN 101	Elementary Chinese I or Basic Japanese I	3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
CHNS 102 or JAPN 102	Elementary Chinese II or Basic Japanese II	3
Hours		15
Year 2		
Fall		
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3

CHNS 201 or JAPN 201	Intermediate Chinese I or Intermediate Japanese I	3
General Elective		3
General Elective		3
General Elective		3
Hours		15
Spring		
Humanities or Natural Science Elective		3
CHNS 202 or JAPN 202	Intermediate Chinese II or Intermediate Japanese II	3
AST 310	Introduction to Asian Studies	3
Asian Studies Area Elective		3
General Elective		3
Hours		15
Year 3		
Fall		
Humanities or Natural Science WR Elective (300 level or above)		3
Social Science Elective (not Asian Studies) (300 level or above)		3
Asian Studies Area Elective		3
Asian Studies Area Elective		3
CHNS 301 or JAPN 301	Advanced Intermediate Chinese I or Advanced Japanese I	3
Hours		15
Spring		
Humanities or Natural Science Elective (300 level or above)		3
Social Science WR Elective (not Natural Science) (300 level or above)		3
Asian Studies Area Elective		3
Asian Studies Area Elective		3
CHNS 302 or JAPN 302	Advanced Intermediate Chinese II or Advanced Japanese II	3
Hours		15
Year 4		
Fall		
Social Science Elective (not Asian Studies) (300 level or above)		3
Asian Studies Area Elective		3
Asian Studies Area Elective		3
Asian Studies Humanities Elective		3
AST 495	Senior Seminar - CUE	3
Hours		15
Spring		
Social Science Elective (not Asian Studies) (300 level or above)		3
Social Science Elective (not Asian Studies) (300 level or above)		3
Asian Studies Social Science Elective		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.

- To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Atmospheric Science (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Atmospheric Science

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
Department: Physics (<http://louisville.edu/atmosphericsscience>) and Astronomy (<http://louisville.edu/atmosphericsscience>)
Academic Plan Code(s): ATMSBS

Program Information

Atmospheric Science is an ever-changing field that continues to grow in scope and knowledge.

There are several universities across the U.S. with undergraduate Atmospheric Science programs, but few with the Louisville area's various and ever-changing climate patterns. Louisville has seen snow on the ground one day—and 70 degrees the next; hurricane force winds; ice storm damage; major tornado outbreaks...along with everything in between. The rich weather history of Louisville makes UofL a perfect place to study the atmosphere and its processes.

The University of Louisville sits in the center of one of the densest populations of professional meteorologists in the world. The National Weather Service (NWS) Weather Forecast Office (WFO) in Louisville is just minutes away from campus, and affords students many volunteer internship and research opportunities. Louisville's four major media outlets all take interns and actively collaborate with our program, and the United Parcel Service (UPS) has its global meteorology group based in Louisville, with a shadow program for students.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	75-77
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

The entry-level requirement for the BS in Atmospheric Science is 24 on ACT Math or 550 on SAT Math or a C in Calculus II (MATH 206).

The application for major form can be found on the Arts & Sciences Advising Center website (<https://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 295	Introductory Laboratories I - SL	
MATH 205	Calculus I - QR	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Social Sciences at 300-level or above, in addition to Courses counted toward General Education WR—two approved courses at the 300 level or above ²	6
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Physics		
<i>Physics Core</i>		
PHYS 295	Introductory Laboratories I - SL	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 300	Introductory Modern Physics	3
<i>Atmospheric Science Core</i>		
PHYS/GEOS 220	Contemporary Issues in Meteorology - S	3
PHYS 360	Introduction to Weather Analysis	3
PHYS 361	Atmospheric Thermodynamics	3
PHYS 362	Physical Meteorology	3
PHYS 365	Mesoscale Meteorology	3
PHYS 465	Dynamic Meteorology I	3
PHYS 466	Dynamic Meteorology II	3

GEOG 355	Introduction to Remote Sensing	3
PHYS 469	Synoptic Meteorology - CUE	3
Supporting Courses		
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
PHYS 350	Differential Equations for the Physical Sciences	4
A minimum of 9 hours from the following Related Electives:		9
CEE 470	Surface Water Hydrology	
CHEM 341	Organic Chemistry I	
CHEM 441	Elements of Physical Chemistry	
GEOS 363	Climate Science	
GEOS 564	Hydrology	
MATH 560	Statistical Data Analysis - WR	
PHYS 355	Optics	
PHYS 356	Optics Laboratory	
PHYS 530	Thermal Physics	
PHYS 541	Electromagnetic Fields	
PHYS 545	Advanced Optics	
PHYS 546	Advanced Optics Lab	
Minimum Electives ³		10-12
Minimum Total Hours		75-77

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
PHYS 469	Synoptic Meteorology - CUE	

- Completion of the second semester of a single foreign language; hours will vary depending on the language taken.
- May be incorporated into other degree requirements.
- Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
Foreign Language 1		3-4
GEOS 220 or PHYS 220	Contemporary Issues in Meteorology - S or Contemporary Issues in Meteorology - S	3
Hours		14-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 206	Calculus II	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4

PHYS 295	Introductory Laboratories I - SL	1
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
MATH 301	Calculus III	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
PHYS 360	Introduction to Weather Analysis	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		1
Hours		16
Spring		
PHYS 361	Atmospheric Thermodynamics	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Related Elective		3
Hours		15
Year 3		
Fall		
PHYS 362	Physical Meteorology	3
PHYS 350	Differential Equations for the Physical Sciences	4
PHYS 465	Dynamic Meteorology I	3
Related Elective		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Spring		
PHYS 365	Mesoscale Meteorology	3
PHYS 466	Dynamic Meteorology II	3
Related Elective		3
General Elective		3
General Elective		3
Hours		15
Year 4		
Fall		
GEOG 355	Introduction to Remote Sensing	3
PHYS 300	Introductory Modern Physics	3
Humanities or Social Science Elective (300 level or above)		3
WR Elective (300 level or above)		3
General Elective		3
Hours		15
Spring		
PHYS 469	Synoptic Meteorology - CUE	3
Humanities or Social Science Elective (300 level or above)		3
WR Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		121-123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Bioengineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Bioengineering

Unit: Speed School of Engineering (<http://engineering.louisville.edu>) (SS)
Department: Bioengineering (<https://engineering.louisville.edu/bioengineering>)
Academic Plan Code(s): BE_ _BBE

Program Information

Bioengineering is a relatively new engineering discipline when compared to the long-standing traditions of other fields of engineering. A bioengineer uses traditional engineering skills and tools to analyze and solve problems in biology and medicine. Bioengineers interact with biologists, biochemists, physicians, physiologists, and therapists to design, develop and manufacture instruments, devices, and software, or to develop new procedures to solve clinical problems.

The Bachelor of Science in Bioengineering degree is designed to provide students with a rigorous education grounded in basic mathematics and sciences traditional to all engineering programs, but focuses additionally on chemistry, biology and physiology, and the opportunity to gain practical experience within the biomedical or bioengineering industry. In the early part of their academic program, students are exposed to fundamentals of engineering and design in mechanical and electrical engineering before proceeding to core Bioengineering classes.

Students specializing in Bioengineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Bioengineering – nine semesters

in Departmental Studies to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Bioengineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>). The Master of Engineering in Bioengineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(19 hours of General Education requirements may be satisfied through coursework required by the degree program)		
	College/School Requirements ¹	38
	Program/Major Requirements	78
	Minimum Total Hours	128

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 31 semester hours in Engineering Fundamentals. In addition, the student must be in overall good standing (university GPA \geq 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
ENGR 101	Engineering Analysis I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours

from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
Speed School Core ¹		
CHEM 201	General Chemistry I - S ¹	3
CHEM 207	Introduction to Chemical Analysis I - SL ¹	1
Select one of the following: ¹		
COMM 111	Introduction to Public Speaking - OC	3
COMM 112	Business and Professional Speaking - OC	3
ENGL 101	Introduction to College Writing - WC ^{1,2}	3
ENGL 102	Intermediate College Writing - WC ^{1,2}	3
ENGR 101	Engineering Analysis I - QR ¹	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ¹	4
Engineering Fundamentals ³		
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 330	Linear Algebra for Engineering	2
Minimum Total Hours		38

Program/Major Requirements

Code	Title	Hours
Bioengineering Department ⁴		
BE 101	Introduction to Bioengineering	1
BE 288	Bioengineering Co-op Education Seminar	0
BE 289	Bioengineering Co-op Education I	1
BE 310	Biotransport Phenomena	3
BE 322	Circuits and Devices for Bioengineers	3
BE 340	Computational Methodologies in Bioengineering	3
BE 354	Anatomy and Physiology	3
BE 359	Cell and Molecular Biology for Bioengineers	3
BE 360	Biomechanics Principles	3
BE 389	Bioengineering Co-op Education II	1
BE 420	Biosystems & Signals	3
BE 423	Bioengineering Measurements Laboratory	2
BE 430	Biosystems Controls	3
BE 450	Biomaterials & Biocompatibility	3
BE 489	Bioengineering Co-op Education III	1
BE 491	Economics, Ethics & FDA Regulations	3
BE 497	Bioengineering Design Project - CUE	3
Bioengineering Electives (select 9 credit hours from the following): ⁵		
BE 453	Introduction to Molecular Bioengineering	3
BE 460	Biomechanics of Tissues and Organs	3
BE 480	Biomedical Device Design	3
BE 552	Introduction to Tissue Engineering	3
BE 581	Advanced Computer Aided Design and Manufacturing for Bioengineers	3

BIOC 545	Biochemistry I	3
BIOC 547	Biochemistry II	3
BIOC 645	Advanced Biochemistry I	3
BIOC 647	Advanced Biochemistry II	3
CHEM 545	Biochemistry I	3
CHEM 547	Biochemistry II	3
CHEM 645	Advanced Biochemistry I	3
CHEM 647	Advanced Biochemistry II	3
IE 430	Quality Control	3
ME 422	Machine Design I	3

Bioengineering Core

CHEM 202	General Chemistry II - S	3
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1

Supporting Courses

BIOL 240	Unity of Life - S	3
CEE 205	Mechanics I: Statics	3
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
IE 360	Probability and Statistics for Engineers	3
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
PHYS 295	Introductory Laboratories I - SL	1
PHYS 299	Introductory Electricity, Magnetism and Light	4

Minimum Total Hours 78

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		

Requirement fulfilled by completing:

BE 497	Bioengineering Design Project - CUE	3
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¹ This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements. Note that the 12-hour total for the AH/D1/D2/SB/SBH electives assumes the use of double counting of D1/D2 with another category.

² Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.

³ Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 31 semester hours in Engineering Fundamentals. In addition, the student must be in good standing with the university (university GPA \geq 2.25).

⁴ A student is allowed to accumulate no more than two D+ or lower grades in BE prefixed courses (including BE approved elective courses) to graduate with a baccalaureate degree. If a student accumulates any D+ or lower grade, it is strongly recommended that the course be repeated to earn a better grade before proceeding to the next course in the sequence. If a student accumulates a third D+ or lower grade, the student is required to repeat the course to earn a better grade.

⁵ A maximum of one non-BE course can be taken as an elective. Students must meet all course prerequisites. The courses chosen to fulfill this elective requirement cannot be used to satisfy any other program or degree requirements.

⁶ Candidates for the Bachelor of Science degree must be in Good Standing (university GPA \geq 2.25) and must attain a grade point average of at least 2.25 for all courses used to satisfy degree requirements.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		17
Spring		
BE 101	Introduction to Bioengineering	1
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		18
Summer		
CEE 205	Mechanics I: Statics	3
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
PHYS 295	Introductory Laboratories I - SL	1
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		12
Year 2		
Fall		
BIOL 240	Unity of Life - S	3
CHEM 341	Organic Chemistry I	3
ENGR 205	Differential Equations for Engineering	2
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
PHYS 299	Introductory Electricity, Magnetism and Light	4
Hours		18
Spring		
BE 288	Bioengineering Co-op Education Seminar	0
BE 310	Biotransport Phenomena	3
BE 354	Anatomy and Physiology	3
BE 359	Cell and Molecular Biology for Bioengineers	3
BE 360	Biomechanics Principles	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		15
Summer		
BE 322	Circuits and Devices for Bioengineers	3

BE 340	Computational Methodologies in Bioengineering	3
BE 450	Biomaterials & Biocompatibility	3
Select one of the following:		3
COMM 111	Introduction to Public Speaking - OC	
COMM 112	Business and Professional Speaking - OC	
Hours		12
Year 3		
Fall		
BE 289	Bioengineering Co-op Education I	1
Hours		1
Spring		
BE 420	Biosystems & Signals	3
BE 423	Bioengineering Measurements Laboratory	2
Bioengineering Elective I		3
CHEM 343	Organic Chemistry Laboratory I	2
ENGR 330	Linear Algebra for Engineering	2
IE 360	Probability and Statistics for Engineers	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		18
Summer		
BE 389	Bioengineering Co-op Education II	1
Hours		1
Year 4		
Fall		
BE 430	Biosystems Controls	3
BE 491	Economics, Ethics & FDA Regulations	3
BE 497	Bioengineering Design Project - CUE	3
Bioengineering Elective II		3
Bioengineering Elective III		3
Hours		15
Spring		
BE 489	Bioengineering Co-op Education III	1
Hours		1
Minimum Total Hours		128

Degree Audit Report

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Flight Planner

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Biology (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Biology

Unit: College of Arts and Sciences (<https://louisville.edu/artsandsciences/intro>) (AS)

Department: Biology (<http://louisville.edu/biology>)

Academic Plan Code(s): BIOLBA

Program Information

There are two undergraduate degree programs offered in the Biology Department, a Bachelor of Arts in Biology and a Bachelor of Science in Biology.

The BA degree is a more general degree than the BS. It is a liberal arts degree designed for those students who desire a broad education in a variety of disciplines. This degree requires more foreign language and social science and/or humanities courses than the BS degree. It is a good degree for students interested in taking a diversity of courses outside the sciences. This degree is also suitable for someone planning to be a teacher. A student planning on applying to professional schools can do so with this degree, as long as the student takes all the prerequisites for admission to the desired program.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MS in Biology

Students who wish to pursue an accelerated non-thesis master's degree in Biology (BA-BS/MS) will be allowed to apply up to nine (9) hours of coursework taken for graduate credit while enrolled as an undergraduate. An additional twenty-four (24) hours of graduate coursework will constitute the minimum number of credit hours for obtaining the non-thesis masters in the accelerated program.

Early Start Program (Jointly with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 148 credits are required for the dual degrees: 121 credits of coursework devoted toward the baccalaureate degree and 36 credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the BA in Biology requires completion of BIOL 240, BIOL 242 and BIOL 244 with a grade of C or better; completion of MATH 111 with a grade of C or better OR placement into a mathematics course above the level of MATH 111 on the basis of either the University of Louisville mathematics placement examination or ACT/SAT score; and a minimum overall grade point average of 2.0.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

BIOL 240 Unity of Life - S

or BIOL 242 Diversity of Life - S

BIOL 244 Principles of Biology Laboratory - SL

or CHEM 207 Introduction to Chemical Analysis I - SL

or CHEM 208 Introduction to Chemical Analysis II - SL

or CHEM 209 Introduction to Chemical Analysis III

CHEM 201 General Chemistry I - S

or CHEM 202 General Chemistry II - S

MATH 180	Elements of Calculus - QR
or MATH 205 Calculus I - QR	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101 Arts and Sciences Orientation		
Foreign Language ²		12
Electives in Humanities or Social Sciences ³		9
WR—two approved courses at the 300 level or above ⁴		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Biology		
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
BIOL 329	Cellular and Molecular Biology	3
BIOL 330	Genetics and Molecular Biology	5
& BIOL 331	Genetics and Molecular Biology: Laboratory	
BIOL 363	Principles of Ecology	3
BIOL 409	Evolutionary Biology - CUE	3
Biology Electives ⁵		15
Supporting Courses		
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
MATH 180	Elements of Calculus - QR	3-4
or MATH 205 Calculus I - QR		
BIOL 350	Biostatistics ⁶	3
Minimum Electives ⁷		5-6
Minimum Total Hours		68

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
BIOL 405	Undergraduate Research - CUE	
BIOL 406	Undergraduate Research (WR) - CUE, WR	
BIOL 409	Evolutionary Biology - CUE	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 430	Undergraduate Teaching Assistant - CUE	
BIOL 443	Developmental Biology - CUE, WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 490	Biology Internship - CUE	
BIOL 541	Medicinal Plant Biochemistry - CUE, WR	
BIOL 548	Experimental Design and Analysis - CUE	

- Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.
- Completion of the intermediate level of a single foreign language
- In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- May be incorporated into other degree requirements
- BIOL 102, BIOL 104, BIOL 257, BIOL 258, BIOL 260, BIOL 261, BIOL 262 and BIOL 263 may not count toward electives in the major. A maximum of 6 hours of undergraduate research or independent study may count toward the major. Students should take all BIOL electives at the 300 level or above.
- Or advisor-approved statistics course
- At least 5 hours should be at the 300-level or higher. Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100	Student Success Center Orientation	1
or GEN 101 Arts and Sciences Orientation		
BIOL 240	Unity of Life - S	3
MATH 180	Elements of Calculus - QR	3-4
or MATH 205 Calculus I - QR		
Foreign Language 1		4
ENGL 101	Introduction to College Writing - WC	3
Hours		14-15
Spring		
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 2		4
Hours		17
Year 2		
Fall		
BIOL 329	Cellular and Molecular Biology	3
Foreign Language 3		4

General Education: Cardinal Core Oral Communication - OC	3
General Education: Cardinal Core Arts & Humanities - AH	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1	3
Hours	16
Spring	
BIOL 330 Genetics and Molecular Biology	3
BIOL 331 Genetics and Molecular Biology: Laboratory	2
CHEM 202 General Chemistry II - S	3
CHEM 209 Introduction to Chemical Analysis III	1
General Elective	3
General Elective	3
Hours	15
Year 3	
Fall	
BIOL 363 Principles of Ecology	3
Biology Elective (300 level or above)	3-4
CHEM 341 Organic Chemistry I	3
CHEM 343 Organic Chemistry Laboratory I	2
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Hours	14-15
Spring	
BIOL 350 Biostatistics	3
BIOL 409 Evolutionary Biology - CUE	3
Biology Elective (300 level or above)	3-4
CHEM 342 Organic Chemistry II	3
CHEM 344 Organic Chemistry Laboratory II	2
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2	3
Hours	17-18
Year 4	
Fall	
Biology Elective - CUE	3-4
Biology Elective (300 level or above)	3-4
Humanities or Social Science WR course (300 level or above)	3
General Education: Cardinal Core Social & Behavioral Sciences - SB	3
General Elective	3
Hours	15-17
Spring	
Biology Elective (300 level or above)	3-4
Humanities or Social Science WR Course (300 level or above)	3
Humanities or Social Science Course (300 level or above)	3
General Elective (300 level or above)	3
General Elective (300 level or above)	1-3
Hours	13-16
Minimum Total Hours	121-129

Degree Audit Report

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To create either report:

1. Log into your ULink account.
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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Biology (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Biology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Departmental Website: Biology (<http://www.louisville.edu/a-s/biology>)
Academic Plan Codes: See Track Requirements tab.

Program Information

There are two undergraduate degree programs offered in the Biology Department, a Bachelor of Arts (BA) in Biology and a Bachelor of Science (BS) in Biology.

Bachelor of Science degrees are designed so that students get a particularly strong background in their area of interest in biology, cell/physiology, or ecology, but still have some flexibility to take courses of interest. Compared to the BA degree, the BS degree requires more science, both in biology and in another field (physics or geosciences), a specific calculus course, and one less course in a foreign language.

Each of the tracks in the BS degree also requires courses specific to the field of interest. BS degrees are valuable for students wanting to find employment in a biological field without further formal education, for students planning to attend graduate or professional school, and for students who hope to become teachers.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, email the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

(10 hours of General Education requirements may be satisfied through coursework required by the degree program)

College/School Requirements	13-15
Program/Major Requirements ¹	47
Track Requirements	38-40
Minimum Total Hours	121

¹ Some courses required in this degree program may satisfy multiple requirements. To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MS in Biology

Students who wish to pursue an accelerated non-thesis master's degree in Biology (BA-BS/MS) will be allowed to apply up to nine (9) hours of coursework taken for graduate credit while enrolled as an undergraduate. An additional twenty-four (24) hours of graduate coursework will constitute the minimum number of credit hours for obtaining the non-thesis masters in the accelerated program.

Students should apply in their junior year

For more information, please see this website (<http://louisville.edu/biology/undergraduate/accelerated-masters-degree>).

Early Start Program (with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 148 credits are required for the dual degrees: 121 credits of coursework devoted toward the baccalaureate degree and 36 credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the Bachelor of Science in Biology requires the following:

- Completion of BIOL 240, BIOL 242, and BIOL 244 with a grade of C or better.

- Completion of MATH 111 with a grade of C or better OR placement into a mathematics course above the level of MATH 111 on the basis of either the University of Louisville mathematics placement examination or ACT/SAT score.
- A minimum overall grade point average (GPA) of 2.0.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]		31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
BIOL 240	Unity of Life - S	
	or BIOL 242 Diversity of Life - S	
BIOL 244	Principles of Biology Laboratory - SL	
MATH 205	Calculus I - QR	
CHEM 201	General Chemistry I - S	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. If additional hours taken within the program also satisfy General Education requirements, students may need to take additional electives to satisfy the minimum hours required for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
	or GEN 101 Arts and Sciences Orientation	
	Foreign Language ¹	6-8
	Electives in Humanities or Social Sciences at the 300-level or above ²	6
	WR - two approved courses at the 300 level or above ³	
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Biology ⁴		
BIOL 240	Unity of Life - S ⁵	3
BIOL 242	Diversity of Life - S ⁵	3
BIOL 244	Principles of Biology Laboratory - SL ⁵	2
BIOL 329	Cellular and Molecular Biology	3
BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
BIOL 363	Principles of Ecology	3
BIOL 409	Evolutionary Biology - CUE	3
Supporting Courses		
MATH 205	Calculus I - QR ⁵	4

BIOL 350	Biostatistics (or advisor-approved statistics course)	3
CHEM 201	General Chemistry I - S ⁵	3
CHEM 202	General Chemistry II - S	3
CHEM 207 & CHEM 208	Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	2
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
PHYS 221 & PHYS 223	Fundamentals of Physics I - S Fundamentals of Physics Lab I - SL	4
Completion of one of the tracks (see Track Requirements tab)		38-40
Minimum Total Hours		85-87

Only 60 hours in the major department may be applied toward the Bachelor of Science Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
BIOL 405	Undergraduate Research - CUE ⁶	
BIOL 406	Undergraduate Research (WR) - CUE, WR ⁶	
BIOL 409	Evolutionary Biology - CUE	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 430	Undergraduate Teaching Assistant - CUE	
BIOL 440	Global Change Ecology - CUE	
BIOL 443	Developmental Biology - CUE, WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 490	Biology Internship - CUE	
BIOL 541	Medicinal Plant Biochemistry - CUE, WR	
BIOL 548	Experimental Design and Analysis - CUE	

- Completion of the second semester of a single foreign language; hours will vary depending on language taken
- In addition to courses counted toward General Education
- May be incorporated into other degree requirements
- Note: BIOL 102, BIOL 104, BIOL 257, BIOL 258, BIOL 260, BIOL 261, BIOL 262 and BIOL 263 do not count toward electives in the major.
- Fulfills General Education requirement.
- A maximum of 6 hours of undergraduate research or independent study may count toward the major.

BS in Biology Tracks

Track in Molecular, Cellular, and Developmental Biology

Academic Plan Code(s): BIOLBS_MCD

Code	Title	Hours
Supporting Courses		
CHEM 342 & CHEM 344	Organic Chemistry II Organic Chemistry Laboratory II	5
PHYS 222 & PHYS 224	Fundamentals of Physics II - S Fundamentals of Physics Laboratory II - SL	4
Molecular, Cellular, and Developmental Biology Track Core Courses		

BIOL 357	General Microbiology	3
BIOL 443	Developmental Biology - CUE, WR	3
BIOL 465	Principles of Physiology	3
BIOL 540	Intermediary Metabolism	3

Molecular, Cellular, and Developmental Biology Laboratory Experience

Select one of the following:

BIOL 358	Microbiology Laboratory	
BIOL 404	Undergraduate Research	
or BIOL 405	Undergraduate Research - CUE	
or BIOL 406	Undergraduate Research (WR) - CUE, WR	
BIOL 416	Biotechnology Methods - WR	
BIOL 541	Medicinal Plant Biochemistry - CUE, WR	
BIOL 548	Experimental Design and Analysis - CUE	

Molecular, Cellular, and Developmental Biology Track Electives

Select at least three courses from the following:

BIOL 347	Comparative Vertebrate Anatomy	
BIOL 359	Microbial Genetics and Pathogenesis - WR	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 435	Chemical Ecology - WR	
BIOL 480	Introduction to Immunology - WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 511	Behavioral Endocrinology - CUE, WR	
BIOL 512	Endocrinology	
BIOL 515	Environmental Physiology	
BIOL 542	Gene Structure and Function - WR	
BIOL 552	Evolutionary Medicine	
BIOL 553	Chronic Disease Biology	

Biology Electives (300 level or higher)

Minimum Total Hours	38-40
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Track in Ecology

Academic Plan Code(s): BIOLBS_ECO

Code	Title	Hours
Supporting Courses		
Select two of the following courses:		5-6
GEOS 301	Geology for Scientists and Engineers	
GEOG 355	Introduction to Remote Sensing	
GEOS 363	Climate Science	
GEOS 365	Biogeography	
GEOS 367	Geomorphology	
GEOG 558	Introduction to Geographic Information Systems	
SUST 518	Urban Demography and GIS	
Select one of the following two sequences:		4-5

PHYS 222 & PHYS 224	Fundamentals of Physics II - S Fundamentals of Physics Laboratory II - SL	
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CHEM 342 & CHEM 344	Organic Chemistry II Organic Chemistry Laboratory II	
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Ecology Track Core Courses

BIOL 401	Advanced Ecology	3
BIOL 563	Population and Community Ecology	3

Ecology Track Electives

Select at least one course from each of the following three categories

Plant Ecology	3
BIOL 300 Plant Biology - WR	
BIOL 304 Plant Taxonomy & Ecology - WR	
BIOL 435 Chemical Ecology - WR	
Animal Ecology	3
BIOL 308 Vertebrate Zoology	
BIOL 310 Animal Behavior	
BIOL 347 Comparative Vertebrate Anatomy	
BIOL 382 Entomology	
BIOL 510 Behavioral Ecology	
BIOL 514 Ornithology	
BIOL 515 Environmental Physiology	
BIOL 571 Selected Topics (Invertebrate Zoology)	
Community Ecology	3
BIOL 372 Evolutionary Ecology of Disease	
BIOL 440 Global Change Ecology - CUE	
BIOL 560 Ecology of Urban and Suburban Landscapes	
BIOL 562 Ecosystems Ecology	
BIOL 567 Conservation Biology	
Select one additional courses from any of the three categories above	3
Biology electives at the 300 level or above	11
Minimum Total Hours	38-40

Flight Plan

Track in Molecular, Cellular, and Developmental Biology

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
BIOL 240	Unity of Life - S ¹	3
CHEM 201 & CHEM 207 & CHEM 208	General Chemistry I - S Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	5
Foreign Language 1 ²		3-4
ENGL 101	Introduction to College Writing - WC	3
Hours		15-16
Spring		
BIOL 242	Diversity of Life - S ¹	3
BIOL 244	Principles of Biology Laboratory - SL ¹	2
CHEM 202 & CHEM 209	General Chemistry II - S Introduction to Chemical Analysis III	4
MATH 205	Calculus I - QR	4
Foreign Language 2 ²		3-4
Hours		16-17
Year 2		
Fall		
BIOL 329	Cellular and Molecular Biology	3
CHEM 341 & CHEM 343	Organic Chemistry I Organic Chemistry Laboratory I	5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC ¹		3
Hours		14

Spring

BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
CHEM 342 & CHEM 344	Organic Chemistry II Organic Chemistry Laboratory II	5
PHYS 221 & PHYS 223	Fundamentals of Physics I - S Fundamentals of Physics Lab I - SL	4
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2 ¹		3
Hours		17

Year 3

Fall

BIOL 363	Principles of Ecology	3
BIOL 540	Intermediary Metabolism	3
Select one of the following lab experiences: ³		1-3
BIOL 358	Microbiology Laboratory	
BIOL 404	Undergraduate Research	
BIOL 405	Undergraduate Research - CUE	
BIOL 406	Undergraduate Research (WR) - CUE, WR	
BIOL 416	Biotechnology Methods - WR	
BIOL 541	Medicinal Plant Biochemistry - CUE, WR	
BIOL 548	Experimental Design and Analysis - CUE	
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
General Education: Cardinal Core Arts & Humanities -AH ¹		3
Hours		14-16

Spring

BIOL 465	Principles of Physiology	3
BIOL 350	Biostatistics	3
Biology MCD elective 1 (choose one)		3-4
BIOL 347	Comparative Vertebrate Anatomy	
BIOL 359	Microbial Genetics and Pathogenesis - WR	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 435	Chemical Ecology - WR	
BIOL 480	Introduction to Immunology - WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 511	Behavioral Endocrinology - CUE, WR	
BIOL 512	Endocrinology	
BIOL 515	Environmental Physiology	
BIOL 542	Gene Structure and Function - WR	
BIOL 552	Evolutionary Medicine	
BIOL 553	Chronic Disease Biology	
Biology elective		3-4
Humanities/Social Science/Biology WR course (300 level or above) ⁴		3
Hours		15-17

Year 4

Fall

BIOL 409	Evolutionary Biology - CUE	3
BIOL 357	General Microbiology	3
Biology MCD elective 2 (choose one)		3-4
BIOL 347	Comparative Vertebrate Anatomy	
BIOL 359	Microbial Genetics and Pathogenesis - WR	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 435	Chemical Ecology - WR	
BIOL 480	Introduction to Immunology - WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 511	Behavioral Endocrinology - CUE, WR	
BIOL 512	Endocrinology	
BIOL 515	Environmental Physiology	
BIOL 542	Gene Structure and Function - WR	
BIOL 552	Evolutionary Medicine	
BIOL 553	Chronic Disease Biology	
Humanities/Social Science/Biology Elective (300 level or above)		3

General Education: Cardinal Core Historical Perspective – SBH ¹		3
Hours		15-16
Spring		
BIOL 443	Developmental Biology - CUE, WR	3
Biology MCD Elective 3 (choose one)		3-4
BIOL 347	Comparative Vertebrate Anatomy	
BIOL 359	Microbial Genetics and Pathogenesis - WR	
BIOL 415	Biology of the Cell - CUE, WR	
BIOL 435	Chemical Ecology - WR	
BIOL 480	Introduction to Immunology - WR	
BIOL 485	Microbial Physiology - CUE, WR	
BIOL 511	Behavioral Endocrinology - CUE, WR	
BIOL 512	Endocrinology	
BIOL 515	Environmental Physiology	
BIOL 542	Gene Structure and Function - WR	
BIOL 552	Evolutionary Medicine	
BIOL 553	Chronic Disease Biology	
Humanities/Social Science/Biology Elective (300 level or above)		3-4
Humanities/Social Science/Biology WR Course (300 level or above) ⁴		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1 ¹		3
Hours		15-17
Minimum Total Hours		121-130

- ¹ Fulfills the requirement for one of two required Gen Ed courses. However, only one Gen Ed course from each program will be counted towards your degree.
- ² Students with high school language experience or multilingual backgrounds should consult the Classical and Modern Languages department for information on partially or completely satisfying the language requirements through testing.
- ³ This is a good time to think about performing undergraduate research. Look at faculty websites here and at the HSC, then email faculty whose research you find interesting. See if they have openings.
- ⁴ Biology WR courses that fit well in this track include: BIOL 359, BIOL 415, BIOL 416, BIOL 480, BIOL 485, BIOL 511, BIOL 541, and BIOL 542 but note that only some of these are offered in a given semester. BIOL 406 (undergraduate research) would be appropriate if you plan to do an honors project, and is also a good source of writing credit. You MUST have mentor approval.

Track in Ecology

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
BIOL 240	Unity of Life - S ¹	3
CHEM 201 & CHEM 207 & CHEM 208	General Chemistry I - S Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL ¹	5
Foreign Language 1 ²		3-4
ENGL 101	Introduction to College Writing - WC	3
Hours		15-16
Spring		
BIOL 242	Diversity of Life - S ¹	3
BIOL 244	Principles of Biology Laboratory - SL ¹	2
CHEM 202 & CHEM 209	General Chemistry II - S Introduction to Chemical Analysis III	4
Foreign Language 2 ²		3-4

ENGL 102		Intermediate College Writing - WC	3
Hours			15-16
Year 2			
Fall			
BIOL 329	Cellular and Molecular Biology		3
PHYS 221 & PHYS 223	Fundamentals of Physics I - S Fundamentals of Physics Lab I - SL ¹		4
MATH 205	Calculus I - QR		4
General Education: Cardinal Core Oral Communication - OC ¹			3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1 ¹			3
Hours			17
Spring			
BIOL 330	Genetics and Molecular Biology		3
BIOL 331	Genetics and Molecular Biology: Laboratory		2
Choose one of the following			3
CHEM 341 & CHEM 343	Organic Chemistry I Organic Chemistry Laboratory I		5
GEOS 301	Geology for Scientists and Engineers		
GEOS 367	Geomorphology		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2 ¹			3
Hours			16
Year 3			
Fall			
BIOL 363	Principles of Ecology		3
BIOL 350	Biostatistics		3
Biology Ecology elective 1 ³			3-4
Choose one of the following			4-5
PHYS 222 & PHYS 224	Fundamentals of Physics II - S Fundamentals of Physics Laboratory II - SL ¹		
CHEM 342 & CHEM 344	Organic Chemistry II Organic Chemistry Laboratory II		
General Education: Cardinal Core Historical Perspective – SBH ¹			3
Hours			16-18
Spring			
BIOL 563	Population and Community Ecology		3
Biology Ecology elective 2 ³			3-4
Biology elective (300 level or above) ⁴			3
Humanities/Social Science/Biology WR Course (300 level or above) ⁵			3
Humanities/Social Science/Biology elective (300 level or above)			3
Hours			15-16
Year 4			
Fall			
BIOL 401	Advanced Ecology		3
BIOL 402	Advanced Ecology Lab		2
BIOL 409	Evolutionary Biology - CUE		3
Biology Ecology elective 3 ³			3
General Education: Cardinal Core Arts & Humanities – AH ¹			3
Hours			14
Spring			
Biology Ecology elective 4 ³			3
Biology elective			3
Biology/Geosciences Elective			3
Choose one of the following			3
GEOS 355	Introduction to Remote Sensing		
GEOS 363	Climate Science		
GEOS 365	Biogeography		
GEOS 367	Geomorphology		
GEOS 558	Introduction to Geographic Information Systems		
SUST 518	Urban Demography and GIS		

Humanities/Social Science/Biology WR Course (300 level or above) ⁵	3
Hours	15
Minimum Total Hours	123-128

- ¹ Fulfills the requirement for one of two required Gen Ed courses. However, only one Gen Ed course from each program will be counted towards your degree.
- ² Students with high school language experience or multilingual backgrounds should consult the Classical and Modern Languages department for information on partially or completely satisfying the language requirements through testing.
- ³ Track-specific Electives (choose 1 from each category and at least 1 additional class from these lists, 12 h):
 - Category I: Plant Ecology
 - BIOL 300 WR – Plant Biology
 - BIOL 304 WR – Plant Taxonomy
 - BIOL 435 WR – Chemical Ecology

 - Category II: Animal Ecology
 - BIOL 308 – Vertebrate Zoology
 - BIOL 310 – Animal Behavior
 - BIOL 347 – Comp. Vertebrate Anatomy
 - BIOL 382 – Entomology
 - BIOL 510 – Animal Behavior
 - BIOL 514 – Ornithology
 - BIOL 515 – Environmental Physiology
 - BIOL 571 – Invertebrate Zoology

 - Category III: Community Ecology
 - BIOL 372 – Evolutionary Ecology and Disease
 - BIOL 440 – Global Change
 - BIOL 560 – Urban Ecology
 - BIOL 562 – Ecosystems Ecology
 - BIOL 567 – Conservation Biology
- ⁴ This is a good time to think about performing undergraduate research. Look at faculty websites here and at the HSC, then email faculty whose research you find interesting. See if they have openings.
- ⁵ Biology courses often listed as WR that fit well in this track include: BIOL 304, BIOL 404, BIOL 405, BIOL 406, BIOL 415, BIOL 435, BIOL 443 but note that only some of these are offered in a given semester. BIOL 406 WR (undergraduate research) would be appropriate if you plan to do an honors project, and is also a good source of writing credit. You MUST have mentor approval.

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Administration in Accountancy (BSBA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Administration in Accountancy

Unit: Business (BU) (<http://www.louisville.edu/business>)
 Department: Accountancy (<http://business.louisville.edu/accountancy>)
 Academic Plan Code(s): ACCYBSB, ACCYBSBO

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The mission of the School of Accountancy is to meet the needs of our metropolitan and regional constituents by providing flexible and varied learning experiences to enable our students to succeed in their careers; by producing scholarly works to disseminate knowledge to the business and academic communities and to enrich the learning experiences of our students; and by using our expertise to serve the community, the university, and the accounting profession.

The University of Louisville Accountancy Program is separately accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	(6 hours of General Education requirements may be satisfied through coursework required by the degree program)	
	College/School Requirements ^{1,2}	53
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements includes 6 hours of required courses that also cover General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BSB in Accountancy.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
MATH 180	Elements of Calculus - QR	
	or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB	
	or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 180	Elements of Calculus - QR ²	3
	or MATH 205 Calculus I - QR	
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201	Principles of Financial Accounting	6
& ACCT 202	Principles of Managerial Accounting	6
ECON 201	Principles of Microeconomics - SB	6
& ECON 202	Principles of Macroeconomics - SB ⁴	6
BSTA 301	Business Statistics ⁵	3
CIS 205	Information Systems in Organizations	3
General Electives		6
Business Breadth		
FIN 301	Corporate Finance	3
MKT 301	Principles of Marketing	3

MGMT 301	Management and Organizational Behavior	3
CLAW 301	Legal Environment of Business	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 401	Operations Management	3
Minimum Total Hours		53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 Gen Ed hours above.

Program/Major Requirements

Code	Title	Hours
Accountancy Depth		
ACCT 301	Intermediate Accounting I ³	3
ACCT 302	Intermediate Accounting II	3
ACCT 310	Introduction to Accounting Information Systems	3
ACCT 315	Introduction to Taxation	3
ACCT 320	Managerial Cost Accounting	3
ACCT 411	Advanced Accounting Information Systems - CUE	3
ACCT 430	Auditing Theory and Practice	3
MGMT 404	Project Management	3
Accountancy Electives		
Select one of the following:		3
ACCT 353	Accounting for Not-For-Profit Organizations	
ACCT 401	Advanced Accounting Problems	
ACCT 415	Advanced Taxation	
ACCT 420	Advanced Managerial Cost Accounting	
Business Electives (not Accounting)		3
General Electives (Electives total assumes use of College requirements to satisfy General Education requirements)		12
Co-op in Accounting ⁶		
Minimum Total Hours		42

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
ACCT 411	Advanced Accounting Information Systems - CUE	

¹ College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). A courses satisfying the General Education Oral Communication requirement (COMM 111, COMM 112 or HON 214) are required as prerequisite for BUS 301, but is not included in the required coursework.

² If MATH 205 is taken, there will be 4 total hours of math, reducing the amount of elective credit required to complete the degree.

³ Must be completed with a grade of B-minus or better to continue in the Accountancy major.

⁴ Completes 3 hours of Social & Behavioral Sciences General Education requirement.

- ⁵ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- ⁶ Co-op may be taken over more than one semester. No more than 3 credit hours may count towards the degree. Co-op may only be used as a General Elective, not as an Accounting Elective.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ENGL 101	Introduction to College Writing - WC	3
MATH 180 or MATH 205	Elements of Calculus - QR or Calculus I - QR	3-4
ECON 202	Principles of Macroeconomics - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
ACCT 201	Principles of Financial Accounting	3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		15
Year 2		
Fall		
ACCT 202	Principles of Managerial Accounting	3
CIS 205	Information Systems in Organizations	3
BUS 201	Career Development	1
BUS 301	Business Communication	3
CIS 305	Data Analysis for Decision-Making	3
One of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
Hours		16
Spring		
ACCT 301	Intermediate Accounting I	3
MKT 301	Principles of Marketing	3
HIST 101 or HIST 102	History of Civilizations I - D2, SBH or History of Civilizations II - D2, SBH	3
General Education: Cardinal Core Natural Sciences - S		3
Select one of the following:		3
BSTA 301	Business Statistics	
MATH 109	Elementary Statistics - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
CJ 326	Quantitative Analysis - QR	
Co-op		
Hours		15
Year 3		
Fall		
ACCT 302	Intermediate Accounting II	3
ACCT 315	Introduction to Taxation	3
FIN 301	Corporate Finance	3
MGMT 301	Management and Organizational Behavior	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15

Spring		
ACCT 310	Introduction to Accounting Information Systems	3
ACCT 320	Managerial Cost Accounting	3
CLAW 301	Legal Environment of Business	3
Business Elective (non-Accounting)		3
General Elective		3
Hours		15
Year 4		
Fall		
ACCT 430	Auditing Theory and Practice	3
MGMT 401	Operations Management	3
General Elective		3
General Elective		3
Select one of the following:		3
ACCT 353	Accounting for Not-For-Profit Organizations	
ACCT 401	Advanced Accounting Problems	
ACCT 415	Advanced Taxation	
ACCT 420	Advanced Managerial Cost Accounting	
Co-op in Accounting		
Hours		15
Spring		
ACCT 411	Advanced Accounting Information Systems - CUE	3
MGMT 404	Project Management	3
General Elective		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Administration in Computer Information Systems (BSBA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Administration in Computer Information Systems

Unit: Business (BU) (<http://business.louisville.edu>)
 Department: Computer Information Systems (<http://business.louisville.edu/cis>)
 Academic Plan Code(s): See Track Requirements tab.

Program Information

The primary mission of the degree program of the Computer Information Systems Department is to prepare the students to become the information technology professionals of the future for Louisville and the immediate region with curriculum that reflects the state of the art in information technology theory and practice.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
6 hours of General Education requirements may be satisfied through coursework required by the degree program		
	College/School Requirements ^{1,2}	53
	Program/Major Requirements	42
	Track Requirements ³	
Minimum Total Hours		120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements total includes 6 hours of required courses that also cover General Education requirements.

³ Program/major requirements include 15 hours in the track.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BSBA in Computer Information Systems.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

MATH 180	Elements of Calculus - QR	
	or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB	
	or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 180	Elements of Calculus - QR ^{2,3}	3
	or MATH 205 Calculus I - QR	
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201	Principles of Financial Accounting	6
& ACCT 202	Principles of Managerial Accounting	
ECON 201	Principles of Microeconomics - SB	6
& ECON 202	Principles of Macroeconomics - SB ⁴	
BSTA 301	Business Statistics	3
CIS 205	Information Systems in Organizations	3
General Electives		6
Business Breadth		
FIN 301	Corporate Finance	3
MKT 301	Principles of Marketing	3
MGMT 301	Management and Organizational Behavior	3
CLAW 301	Legal Environment of Business	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 401	Operations Management	3
Minimum Total Hours		53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 General Education hours above.

Program/Major Requirements

Code	Title	Hours
Computer Information Systems Core		
CIS 150	Fundamentals of Information Systems	3
CIS 199	Software Development I	3
CIS 310	Database Design	3
CIS 320	Systems Analysis and Design	3
CIS 350	Infrastructure Technologies	3
CIS 410	Management of Information Systems - CUE	3
CIS 420	CIS Development Project	3
General Electives		6
Track Requirements (See Track Requirements Tab)		15
Minimum Total Hours		42

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

All course prerequisites must be met.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
CIS 410	Management of Information Systems - CUE	

- ¹ College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). A course that satisfies the General Education Oral Communication requirement (COMM 111, COMM 112 or HON 214) is required as prerequisite for BUS 301, but not included in the program requirements. Students who select PHIL 222 to satisfy the Ethics requirement will also satisfy 3 hours of the Arts & humanities requirement, and may require additional electives to complete the hours required for the degree.
- ² If MATH 205 is taken, there will be 4 total hours of math, which may reduce the number of elective hours required to complete the degree.
- ³ Completes Quantitative Reasoning General Education requirement
- ⁴ Completes 3 hours of Social & Behavioral Sciences General Education requirement.
- ⁵ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- ⁶ Co-operative Education is a curriculum requirement for six (6) months full time employment for six (6) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences CIS 397 and CIS 398).

Track for the BSBA in Computer Information Systems

Track in Business Process Management

Academic Plan Code(s): CIS_BSBBPM

Code	Title	Hours
CIS 481	Introduction to Information Security	3
MGMT 404	Project Management	3

CIS Electives (400 level and/or CIS 200)		3
CIS 397	Co-op in Computer Information Systems I	6
& CIS 398	Co-op in Computer Information Systems II	
Minimum Total Hours		15

¹ Co-operative Education is a curriculum requirement for six (6) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

Track in Information Security

Academic Plan Code(s): CIS_BSBSEC

Code	Title	Hours
CIS 480	Introduction to Network Security	3
CIS 481	Introduction to Information Security	3
CIS 483	Introduction to Database Security	3
<i>Info Sec Elective:</i>		
CIS 482	Introduction to Cryptography	3
or CIS 484	Computer Forensics	
CIS 397	Co-op in Computer Information Systems I ¹	3
Minimum Total Hours		15

¹ Co-operative Education is a curriculum requirement for three (3) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397)

Track in Web Development

Academic Plan Code(s): CIS_BSBWEB

Code	Title	Hours
CIS 200	Software Development II	3
CIS 411	Web Application Development	3
CIS Elective (400 level)		3
CIS 397	Co-op in Computer Information Systems I	6
& CIS 398	Co-op in Computer Information Systems II ¹	
Minimum Total Hours		15

¹ Co-operative Education is a curriculum requirement for six (6) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

Flight Plan

Track in Business Process Management

Academic Plan Code(s): CIS_BSBBPM

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
CIS 205	Information Systems in Organizations	3
ENGL 101	Introduction to College Writing - WC	3
CIS 305	Data Analysis for Decision-Making	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - L		1
Hours		14

Spring		
CIS 150	Fundamentals of Information Systems	3
MATH 180	Elements of Calculus - QR	3
ENGL 102	Intermediate College Writing - WC	3
ECON 202	Principles of Macroeconomics - SB	3
General Education: Cardinal Core Oral Communication		3
Hours		15

Year 2		
Fall		
BUS 201	Career Development	1
BUS 301	Business Communication	3
CIS 199	Software Development I	3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Elective		3
Hours		16

Spring		
ACCT 201	Principles of Financial Accounting	3
CIS 310	Database Design	3
CIS 350	Infrastructure Technologies	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Elective		3
Hours		15

Year 3		
Fall		
ACCT 202	Principles of Managerial Accounting	3
CIS 320	Systems Analysis and Design	3
HIST 101	History of Civilizations I - D2, SBH	3
or HIST 102	or History of Civilizations II - D2, SBH	
General Education: Cardinal Core Arts & Humanities - AH		3
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
Hours		15

Spring		
CIS 420	CIS Development Project	3
MGMT 301	Management and Organizational Behavior	3
MKT 301	Principles of Marketing	3
BSTA 301	Business Statistics	3
CIS Elective (400 level and/or CIS 200)		3
Hours		15

Summer		
CIS 481	Introduction to Information Security	3
Hours		3

Year 4		
Fall		
FIN 301	Corporate Finance	3
CLAW 301	Legal Environment of Business	3
MGMT 404	Project Management	3
General Elective		3
General Elective		3
Hours		15

Spring		
MGMT 401	Operations Management	3
CIS 410	Management of Information Systems - CUE	3
CIS 397	Co-op in Computer Information Systems I	3

CIS 398	Co-op in Computer Information Systems II	3
Hours		12
Minimum Total Hours		120

Track in Information Security

Academic Plan Code(s): CIS_BSBSEC

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
CIS 205	Information Systems in Organizations	3
ENGL 101	Introduction to College Writing - WC	3
CIS 305	Data Analysis for Decision-Making	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14

Spring		
CIS 150	Fundamentals of Information Systems	3
MATH 180	Elements of Calculus - QR	3
ENGL 102	Intermediate College Writing - WC	3
ECON 202	Principles of Macroeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15

Year 2		
Fall		
BUS 201	Career Development	1
BUS 301	Business Communication	3
CIS 199	Software Development I	3
BSTA 301	Business Statistics	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		13

Spring		
CIS 310	Database Design	3
CIS 350	Infrastructure Technologies	3
ECON 201	Principles of Microeconomics - SB	3
ACCT 201	Principles of Financial Accounting	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15

Year 3		
Fall		
CIS 320	Systems Analysis and Design	3
ACCT 202	Principles of Managerial Accounting	3
HIST 101	History of Civilizations I - D2, SBH	3
or HIST 102	or History of Civilizations II - D2, SBH	
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
Hours		15

Spring		
CIS 420	CIS Development Project	3
MGMT 301	Management and Organizational Behavior	3
MKT 301	Principles of Marketing	3
CLAW 301	Legal Environment of Business	3
General Elective		3
Hours		15

Summer		
CIS 481	Introduction to Information Security	3
Hours		3
Year 4		
Fall		
FIN 301	Corporate Finance	3
CIS 480	Introduction to Network Security	3
CIS 397	Co-op in Computer Information Systems I	3
General Elective		3
General Elective		3
Hours		15
Spring		
CIS 410	Management of Information Systems - CUE	3
CIS 484	Computer Forensics or CIS 482 or Introduction to Cryptography	3
CIS 483	Introduction to Database Security	3
MGMT 401	Operations Management	3
General Elective		3
Hours		15
Minimum Total Hours		120

Track in Web Development

Academic Plan Code(s): CIS_BSBWEB

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
CIS 205	Information Systems in Organizations	3
CIS 150	Fundamentals of Information Systems	3
ENGL 101	Introduction to College Writing - WC	3
CIS 305	Data Analysis for Decision-Making	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Spring		
CIS 199	Software Development I	3
MATH 180	Elements of Calculus - QR	3
ENGL 102	Intermediate College Writing - WC	3
ECON 202	Principles of Macroeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Year 2		
Fall		
BUS 201	Career Development	1
BUS 301	Business Communication	3
CIS 200	Software Development II	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
BSTA 301	Business Statistics	3
Hours		13
Spring		
ECON 201	Principles of Microeconomics - SB	3
ACCT 201	Principles of Financial Accounting	3
CIS 310	Database Design	3
CIS 350	Infrastructure Technologies	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Year 3		
Fall		
CIS 320	Systems Analysis and Design	3
ACCT 202	Principles of Managerial Accounting	3

HIST 101 or HIST 102	History of Civilizations I - D2, SBH or History of Civilizations II - D2, SBH	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
Hours		16
Spring		
CIS 420	CIS Development Project	3
CIS 411	Web Application Development	3
MGMT 301	Management and Organizational Behavior	3
MKT 301	Principles of Marketing	3
General Elective		3
Hours		15
Year 4		
Fall		
CIS 397	Co-op in Computer Information Systems I	3
FIN 301	Corporate Finance	3
CLAW 301	Legal Environment of Business	3
CIS Elective (400 level)		3
General Elective		3
Hours		15
Spring		
CIS 410	Management of Information Systems - CUE	3
CIS 398	Co-op in Computer Information Systems II	3
MGMT 401	Operations Management	3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Administration in Equine Business (BSBA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Administration in Equine Business
Unit: Business (BU) (<http://www.louisville.edu/business>)
Department/Program: Equine Industry (<http://business.louisville.edu/equine>)
Academic Plan Code(s): EQINBSB

Program Information

The mission of the Equine Business Discipline is to motivate students and professionals in the industry to read, think and question; encourage development of the analytical, entrepreneurial, and management skills needed by the equine industry; inspire enthusiasm, develop leadership; respond to the equine industry's dramatically changing economic environment by undertaking rigorous, meaningful research; disseminate to the industry through publications, seminars, workshops or state-of-the-art technology, research results and accumulated knowledge, and other business related skills.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	(6 hours of General Education requirements may be satisfied through coursework required by the degree program)	
	College/School Requirements ^{1,2}	53
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements total includes 6 hours of required courses that also cover General Education requirements. See Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

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Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BSB in Equine Business

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
MATH 180	Elements of Calculus - QR	
	or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB	
	or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
CAMP 100	Campus Culture/Business Students	1
MATH 180	Elements of Calculus - QR ^{2,3}	3
	or MATH 205 Calculus I - QR	
	Select one of the following Ethics courses:	3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201 & ACCT 202	Principles of Financial Accounting & Principles of Managerial Accounting	6
ECON 201 & ECON 202	Principles of Microeconomics - SB & Principles of Macroeconomics - SB ⁴	6
BSTA 301	Business Statistics ⁵	3
CIS 205	Information Systems in Organizations	3
	General Electives	6
Business Breadth		
FIN 301	Corporate Finance	3
MKT 301	Principles of Marketing	3
MGMT 301	Management and Organizational Behavior	3
CLAW 301	Legal Environment of Business	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 301	Management and Organizational Behavior	3
	Minimum Total Hours	53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 General Education hours above.

Program/Major Requirements

Code	Title	Hours
Equine Business Depth		
EQIN 202	Horse Industry Overview	3
EQIN 204	Equine Management	3
EQIN 301	Organization and Administration of Equine Operations	3
EQIN 302 or EQIN 401	Equine Economics Equine Taxation	3
EQIN 304	Equine Marketing	3
EQIN 313	Equine Commercial Law	3
EQIN 402	Capstone Seminar in Equine Industry Program - CUE	3
EQIN 403	Equine Financial Management	3
EQIN 404	Current Equine Issues, Equine Financial Management	3
Business or Equine Electives (300-400 level)*		3
General Electives ⁶		12
Minimum Total Hours		42

*See table below for potential Equine Elective courses.

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of General Education Diversity courses (D1 and D2) are required and may be incorporated within the degree program.

All course prerequisites must be followed.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
EQIN 402	Capstone Seminar in Equine Industry Program - CUE	
Equine Electives		
<i>Courses listed below may be used to satisfy general elective requirements</i>		
EQIN 203	Application of Software for Equine Operations	3
EQIN 205	A Global Perspective of Equine Industry	1
EQIN 206	Industry Speaker Series	2
EQIN 250	Equine-Assisted Activities	3
EQIN 303	Equine Regulatory Law	2
EQIN 360	Equine Regulatory Law & Dispute Resolution	3
EQIN 396	Zero-Credit Internship-Equine	0
EQIN 398	Co-op in Equine II ⁷	1-3
EQIN 399	Co-op in Equine III	3
EQIN 401	Equine Taxation (Can be used as elective unless used in place of EQIN 302)	3
EQIN 406	Horse Racing and Comparative Gaming Systems	3

EQIN 490	Special Topics in Equine Administration	1-3
EQIN 499	Independent Study in Equine Business	3

- College/School Requirements include six hours of General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). A course satisfying the General Education Oral Communication requirement (COMM 111, COMM 112, COMM 115, HON 214 , POLS 111, or WGST 203) is a prerequisite for BUS 301 but not included in the total hours for the degree. Students who take PHIL 222 to satisfy the Ethics requirement will also satisfy 3 hours of the Arts & Humanities requirement and may need additional electives to satisfy the total hours for the degree.
- If MATH 205 is taken, there will be 4 total hours of math, which may reduce the electives required for the degree.
- Completes Quantitative Reasoning General Education requirement
- Completes 3 hours of Social & Behavioral Sciences General Education requirement.
- The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326.
- Assumes 6 hours from College requirements used to satisfy General Education requirements
- EQIN 398 Co-op in Equine II in Equine (2.0 GPA, effective Spring 2018); optional course

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ENGL 101	Introduction to College Writing - WC	3
EQIN 202	Horse Industry Overview	3
MATH 180 or MATH 205	Elements of Calculus - QR or Calculus I - QR	3-4
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
EQIN 204	Equine Management	3
ECON 201	Principles of Microeconomics - SB	3
Select one of the following:		3
BSTA 301	Business Statistics	
MATH 109	Elementary Statistics - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
CJ 326	Quantitative Analysis - QR	
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		15
Year 2		
Fall		
ACCT 201	Principles of Financial Accounting	3
BUS 201	Career Development	1
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
ECON 202	Principles of Macroeconomics - SB	3
General Elective		3
Hours		16
Spring		
ACCT 202	Principles of Managerial Accounting	3
BUS 301	Business Communication	3

CLAW 301	Legal Environment of Business	3
MGMT 301	Management and Organizational Behavior	3
EQIN 313	Equine Commercial Law	3
	Hours	15
Year 3		
Fall		
EQIN 302 or EQIN 401	Equine Economics or Equine Taxation	3
EQIN 301	Organization and Administration of Equine Operations	3
MKT 301	Principles of Marketing	3
	General Education: Cardinal Core Natural Sciences - S	3
	General Education: Cardinal Core Natural Sciences Lab - SL	1
	General Elective	3
	Hours	16
Spring		
EQIN 304	Equine Marketing	3
FIN 301	Corporate Finance	3
MGMT 401	Operations Management	3
	General Elective	3
	Select one of the following:	3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
	Hours	15
Year 4		
Fall		
EQIN 403	Equine Financial Management	3
	General Education: Cardinal Core Arts & Humanities - AH	3
	Business or Equine Elective (300 level or above)	3
	General Elective (300 level or above)	3
	General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective Global Diversity - SBHD2	3
	Hours	15
Spring		
EQIN 402	Capstone Seminar in Equine Industry Program - CUE ⁷	3
EQIN 404	Current Equine Issues, Equine Financial Management	3
	General Elective	3
	General Elective (300 level or above)	3
	Hours	12
	Minimum Total Hours	120

Degree Audit Report

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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Administration in Finance (BSBA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Administration in Finance

Unit: Business (BU) (<http://business.louisville.edu>)

Department: Finance (<http://business.louisville.edu/finance>)

Academic Plan Code(s): FIN_BSB

Program Information

The objective of the Finance major program is to provide our students with a competitive edge in their professional financial and managerial careers. Our majors are prepared, upon graduation to apply critical thinking and problem solving skills, either individually or in teams, in order to creatively and ethically solve problems in a global marketplace.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	(6 hours of General Education requirements may be satisfied through coursework required by the degree program)	
	College/School Requirements ^{1,2}	53
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements include 6 hours of courses that also cover General Education requirements. See the Degree Requirements tab for details.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BSB in Finance.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

MATH 180	Elements of Calculus - QR	
	or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB	
	or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 180	Elements of Calculus - QR ^{2,3,4}	3
	or MATH 205 Calculus I - QR	
	Select one of the following Ethics courses:	3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201	Principles of Financial Accounting	6
& ACCT 202	Principles of Managerial Accounting	
ECON 201	Principles of Microeconomics - SB	6
& ECON 202	Principles of Macroeconomics - SB ²	
BSTA 301	Business Statistics	3
CIS 205	Information Systems in Organizations	3
	General Electives	6
Business Breadth		
FIN 301	Corporate Finance ⁵	3
MKT 301	Principles of Marketing	3
MGMT 301	Management and Organizational Behavior	3
CLAW 301	Legal Environment of Business	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 401	Operations Management	3
	Minimum Total Hours	53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 General Education hours above.

Program/Major Requirements

Code	Title	Hours
Finance Depth		
ACCT 301	Intermediate Accounting I	3
FIN 304	Intermediate Corporate Finance	3
FIN 370	International Finance	3
FIN 401	Investments	3
FIN 403	Financial Derivatives	3
FIN 433	Financial Markets and Institutions	3
FIN 475	Capstone Seminar in Finance - CUE	3
	FIN Electives ⁷	3
	General Electives ⁷	18
	Minimum Total Hours	42

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

All course prerequisites must be followed.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
FIN 475	Capstone Seminar in Finance - CUE	

- College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). A course satisfying the General Education Oral Communication requirement (COMM 111, COMM 112 or HON 214) is a prerequisite for BUS 301, but not included in the degree requirements. Students who select PHIL 222 to satisfy the Ethics requirement will also satisfy 3 hours of the Arts & Humanities requirement, which may require additional electives to complete the degree.
- Completes General Education requirements.
- For students with strong high school mathematics backgrounds, and for students who intend to pursue graduate work in finance, MATH 205 and MATH 206 is recommended. MATH 206 may be taken as a General Elective.
- If MATH 205/MATH 206 is taken, there will be 4-8 total hours of math, reducing the General Elective hours required to complete the degree.
- Must be completed with a grade of B or better to continue in the Finance major.
- The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326.
- Co-operative Education is an elective curriculum option for up to six (6) hours of credit. Three hours of Co-op credit may count as the finance elective. If a student take a second 3-hour Co-op class, then it would count as a General Elective. Pass/Fail credit is given for approved COB co-op work experiences. Participation in the COB Co-op program is encouraged to strengthen the BSBA degree for enhanced student marketability.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ECON 202	Principles of Macroeconomics - SB	3
ENGL 101	Introduction to College Writing - WC	3
MATH 180 or MATH 205	Elements of Calculus - QR or Calculus I - QR	3-4
General Education: Cardinal Core Natural Science - S		3
General Education: Cardinal Core Natural Science Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
ACCT 201	Principles of Financial Accounting	3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		15
Year 2		
Fall		
ACCT 202	Principles of Managerial Accounting	3
CIS 205	Information Systems in Organizations	3
BUS 201	Career Development	1
HIST 101 or HIST 102	History of Civilizations I - D2, SBH or History of Civilizations II - D2, SBH	3
CIS 305	Data Analysis for Decision-Making	3
Select one of the following:		3
BSTA 301	Business Statistics	
MATH 109	Elementary Statistics - QR	
CJ 326	Quantitative Analysis - QR	
SOC 301	Introduction to Social Statistics	
PSYC 301	Statistics for Psychology	
Hours		16
Spring		
FIN 301	Corporate Finance	3
MKT 301	Principles of Marketing	3
MGMT 301	Management and Organizational Behavior	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Year 3		
Fall		
ACCT 301	Intermediate Accounting I	3
CLAW 301	Legal Environment of Business	3
FIN 304	Intermediate Corporate Finance	3
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
General Elective		3
Hours		15
Spring		
BUS 301	Business Communication	3
FIN 370	International Finance	3
FIN 403	Financial Derivatives	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective (300 level or above)		3
Hours		15

Year 4

Fall		
FIN 401	Investments	3
FIN 433	Financial Markets and Institutions	3
MGMT 401	Operations Management	3
General Elective		3
General Elective (300 level or above)		3
Hours		15
Spring		
FIN 475	Capstone Seminar in Finance - CUE	3
Finance Elective		3
General Elective		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Administration in Marketing (BSBA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Administration in Marketing

Unit: Business (BU) (<http://business.louisville.edu>)
 Department: Marketing (<http://business.louisville.edu/marketing>)
 Academic Plan Code(s): MKT_BSB

Program Information

The purpose of the Department of Marketing is to be an intellectual force that benefits our constituents in the local, regional, national, and global community through our creative and entrepreneurial teaching, research, and service activities. Our constituents include: students, employers, alumni, the university community, public and private sector organizations, and professional and academic marketing groups. The Undergraduate major in Marketing is specifically designed to prepare our students for the several career options available in Marketing and to enable them to succeed in the global marketplace.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
Six (6) hours of General Education requirements may be satisfied through coursework required by the degree program		
College/School Requirements ^{1,2}		53
Program/Major Requirements		42
Minimum Total Hours		120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements total of 53 hours includes 6 hours of required courses that also cover General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BSBA in Marketing.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
MATH 180	Elements of Calculus - QR or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting

coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 180	Elements of Calculus - QR ^{2,3} or MATH 205 Calculus I - QR	3
Select one of the following Ethics courses:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201 & ACCT 202	Principles of Financial Accounting Principles of Managerial Accounting	6
ECON 201 & ECON 202	Principles of Microeconomics - SB Principles of Macroeconomics - SB ⁴	6
BSTA 301	Business Statistics	3
CIS 205	Information Systems in Organizations	3
General Electives		6
Business Breadth		
FIN 301	Corporate Finance	3
MKT 301	Principles of Marketing	3
MGMT 301	Management and Organizational Behavior	3
CLAW 301	Legal Environment of Business	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 401	Operations Management	3
Minimum Total Hours		53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 Gen Ed hours above.

Program/Major Requirements

Code	Title	Hours
Marketing Depth		
MKT 350	Consumer Behavior	3
MKT 360	Professional Relationship Selling	3
MKT 441	Market Intelligence and Customer Insights	3
MKT 460	Integrative Marketing Strategy - CUE	3
Marketing Electives ⁶		9
Business Electives (not Marketing)		6
General Electives		15
Minimum Total Hours		42

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MKT 460	Integrative Marketing Strategy - CUE	

- 1 College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). General Education Oral Communication: COMM 111, COMM 112 or HON 214 required as prerequisite for BUS 301
- 2 If MATH 205 is taken, there will be 4 total hours of Math
- 3 Completes Quantitative Reasoning General Education
- 4 Completes 3 hours of Social & Behavioral Sciences.
- 5 The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- 6 Marketing majors are allowed to take up to six (6) co-op credits in the program as part of Marketing electives. These include MKT 397, MKT 398 and/ or MKT 399. Pass/Fail credit is given for approved College of Business co-op work experiences.

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

NOTE: All prerequisites must be followed.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ECON 202	Principles of Macroeconomics - SB	3
ENGL 101	Introduction to College Writing - WC	3
MATH 180 or MATH 205	Elements of Calculus - QR or Calculus I - QR	3-4
General Education: Cardinal Core Natural Science - S		3
General Education: Cardinal Core Natural Science Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Science - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Year 2		
Fall		
CIS 205	Information Systems in Organizations	3
ACCT 201	Principles of Financial Accounting	3
BUS 301	Business Communication	3
CIS 305	Data Analysis for Decision-Making	3
Select one of the following:		3
BSTA 301	Business Statistics	
CJ 326	Quantitative Analysis - QR	
MATH 109	Elementary Statistics - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
Hours		15
Spring		
HIST 101 or HIST 102	History of Civilizations I - D2, SBH or History of Civilizations II - D2, SBH	3
ACCT 202	Principles of Managerial Accounting	3
CLAW 301	Legal Environment of Business	3
MKT 301	Principles of Marketing	3

General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		15
Year 3		
Fall		
BUS 201	Career Development	1
MKT 350	Consumer Behavior	3
MKT 360	Professional Relationship Selling	3
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
General Elective		3
General Elective		3
Hours		16
Spring		
FIN 301	Corporate Finance	3
MGMT 301	Management and Organizational Behavior	3
Business Elective (non-Marketing)		3
Marketing Elective		3
General Elective		3
Hours		15
Year 4		
Fall		
MKT 441	Market Intelligence and Customer Insights	3
MGMT 401	Operations Management	3
Marketing Elective		3
General Elective		3
General Elective		3
Hours		15
Spring		
MKT 460	Integrative Marketing Strategy - CUE	3
Marketing Elective		3
Business Elective (non-Marketing)		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Business Economics (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Business Economics

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Department: Economics (<http://business.louisville.edu/economics>)
Academic Plan Code(s): BUECBSE

Program Information

The Department of Economics provides a thorough education in economics to undergraduate students of the University for those with majors and minors in the department as well as students from other academic programs. A primary departmental objective is promoting the understanding of the economy through economic analysis of industry, non-profit institutions, and government at the micro- and macroeconomic levels. Students develop comprehension, reasoning, and quantitative skills through their study of domestic and global economic issues.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
Six (6) hours of General Education Requirements can be satisfied by courses required by the degree program		
	College/School Requirements ^{1,2}	38
	Program/Major Requirements	57
	Minimum Total Hours	120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² College/School Requirements includes 6 hours of required courses that also cover General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BS in Economics.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
The following courses are required by the program and can satisfy the respective General Education Requirement.		
MATH 180	Elements of Calculus - QR	
	or MATH 205 Calculus I - QR	
ECON 201	Principles of Microeconomics - SB	
	or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 205	Calculus I - QR ^{2,3}	3-4
	or MATH 180 Elements of Calculus - QR	
Select one of the following Ethics courses:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
BUS 301	Business Communication	3
BUS 201	Career Development	1
ACCT 201	Principles of Financial Accounting	6
& ACCT 202	Principles of Managerial Accounting	
ECON 201	Principles of Microeconomics - SB	6
& ECON 202	Principles of Macroeconomics - SB ⁴	
BSTA 301	Business Statistics ⁵	3
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
General Electives ⁶		6
Minimum Total Hours		38

Total of 38 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 General Education hours above.

Program/Major Requirements

Code	Title	Hours
Economics Breadth		
ECON 301	Intermediate Microeconomics	3
ECON 302	Intermediate Macroeconomics	3
ECON 475	Senior Economics Seminar - CUE	3
Electives in Economics		15

Electives in Business or Economics	15
Arts and Sciences Electives ²	18
Minimum Total Hours	57

All course prerequisites must be followed.

Transfer students must take a minimum of 12 credit hours in the major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
ECON 475	Senior Economics Seminar - CUE	

- ¹ College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). General Education Oral Communication courses (COMM 111, COMM 112 or HON 214) are not program requirements, but are required as prerequisite for BUS 301.
- ² MATH 205 or MATH 180 must be taken as a required math course for all Economic majors. Their prerequisite(s) may be used as Arts and Sciences elective(s).
- ³ Completes Quantitative Reasoning General Education.
- ⁴ Completes 3 hours of Social & Behavioral Sciences.
- ⁵ The following also will meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- ⁶ Students who satisfy General Education Requirements by courses defined by the program may require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ECON 201	Principles of Microeconomics - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Science - S		3
General Education: Cardinal Core Natural Science Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	3-4
or MATH 180 or Elements of Calculus - QR		
ECON 202	Principles of Macroeconomics - SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Science - S		3
Hours		15
Year 2		
Fall		
BUS 201	Career Development	1
CIS 205	Information Systems in Organizations	3
ACCT 201	Principles of Financial Accounting	3
ECON 301	Intermediate Microeconomics	3
CIS 305	Data Analysis for Decision-Making	3
Select one of the following:		3

BSTA 301	Business Statistics	
MATH 109	Elementary Statistics - QR	
SOC 301	Introduction to Social Statistics	
PSYC 301	Statistics for Psychology	
CJ 326	Quantitative Analysis - QR	
Hours		16

Spring		
ECON 302	Intermediate Macroeconomics	3
ACCT 202	Principles of Managerial Accounting	3
BUS 301	Business Communication	3
General Education: Cardinal Core Arts & Humanities - AH		3
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
Hours		15

Year 3		
Fall		
HIST 101	History of Civilizations I - D2, SBH	3
or HIST 102 or History of Civilizations II - D2, SBH		
Economics Elective		3
General Elective		3
General Elective		3
General Elective		3
Hours		15

Spring		
Economics Elective		3
Business/Economics Elective		3
Business/Economics Elective		3
General Elective		3
General Elective		3
Hours		15

Year 4		
Fall		
Economics Elective		3
Economics Elective		3
Business/Economics Elective		3
General Elective		3
General Elective		3
Hours		15

Spring		
ECON 475	Senior Economics Seminar - CUE	3
Economics Elective		3
Business/Economics Elective		3
Business/Economics Elective		3
General Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.

- Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
- To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Chemical Engineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Chemical Engineering

Unit: Speed School of Engineering (<https://engineering.louisville.edu>)
Department: Chemical Engineering (<https://engineering.louisville.edu/chemical>)
Academic Plan Code(s): CHE_BCH

Program Information

Students specializing in Chemical Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Chemical Engineering to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Chemical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>). The Master of Engineering in Chemical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(19-22 hours of General Education requirements may be satisfied through coursework required by the degree program) ²		

College/School Requirements ¹	37
Program/Major Requirements ¹	77
Minimum Total Hours	123

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree **in the minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

² Any one course of PHIL 222, PHIL 225, PHIL 321, PHIL 323, or PHIL 328 satisfies the ChE Department Ethics Elective requirement. However, only PHIL 222 also counts for General Education content requirement in Arts and Humanities (AH).

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 32 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA \geq 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
ENGR 101	Engineering Analysis I - QR	
PHIL 222	Contemporary Moral Problems - AH (optional, see note below) ⁷	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

While any one course of PHIL 222, PHIL 225, PHIL 321, PHIL 323, or PHIL 328 satisfies the ChE Department Ethics Elective requirement, only PHIL 222 also counts for the General Education content requirement in Arts and Humanities (AH).

College/School Requirements

Code	Title	Hours
Speed School Core		
CHEM 201	General Chemistry I - S ¹	3

CHEM 207	Introduction to Chemical Analysis I - SL ¹	1
Select one of the following:		3
COMM 111	Introduction to Public Speaking - OC ¹	
COMM 112	Business and Professional Speaking - OC ¹	
ENGL 101	Introduction to College Writing - WC ^{1,2}	3
ENGL 102	Intermediate College Writing - WC ^{1,2}	3
ENGR 101	Engineering Analysis I - QR ¹	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ¹	4
Engineering Fundamentals ³		
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 307	Numerical Methods for Engineering	2
Minimum Total Hours		37

Program/Major Requirements

Code	Title	Hours
Chemical Engineering Department Requirements ⁴		
CHE 205	Introduction to Chemical Engineering	3
CHE 211	Chemical Engineering Thermodynamics I	3
CHE 230	Computer Applications in Chemical Engineering	2
CHE 253	Materials Science	3
CHE 288	Chemical Engineering Cooperative Education Seminar	0
CHE 289	Chemical Engineering Cooperative Education I	1
CHE 305	Material and Energy Balances	4
CHE 312	Chemical Engineering Thermodynamics II	3
CHE 331	Principles of Fluid Dynamics	3
CHE 389	Chemical Engineering Cooperative Education II	1
CHE 401	Safety, Health and Environment	1
CHE 433	Principles of Heat and Mass Transfer	4
CHE 436	Separation Operations	3
CHE 441	Kinetics and Chemical Reactors	3
CHE 461	Elements of Process Control	3
CHE 471	The Strategy of Design	3
CHE 485	Unit Operations Laboratory I	2
CHE 486	Unit Operations Laboratory II	2
CHE 489	Chemical Engineering Cooperative Education III	1
CHE 520	Modeling and Transport Phenomena	3
CHE 572	Plant Process and Project Design - CUE	3
Chemical Engineering Core		
CHEM 202	General Chemistry II - S	3
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
PHYS 295	Introductory Laboratories I - SL	1
Supporting Courses		
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
IE 360	Probability and Statistics for Engineers	3
IE 370	Engineering Economic Analysis	3

Advanced Chemistry or Chemical Engineering Elective (see list below) ^{5,6}	3
Advanced Science or Chemical Engineering Elective (see list below) ^{5,6}	3
Ethics Elective ⁷	3
Minimum Total Hours	77

Candidates for the Bachelor of Science degree must be in good standing (university GPA \geq 2.25) and must attain a grade point average of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
CHE 572	Plant Process and Project Design - CUE	

Advanced Chemistry or Chemical Engineering Electives

Select one course from the following list:

Code	Title	Hours
CHEM 342	Organic Chemistry II	3
CHEM 441	Elements of Physical Chemistry	3
CHEM 445	Survey of Biochemistry	3
CHEM 450	Introduction to Computational Chemistry and Molecular Modeling	3
CHEM 465	Physical Chemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 515	Inorganic Chemistry	3
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM 545	Biochemistry I	3
CHEM 550	Group Theory and its Chemical Applications	3
CHEM 557	Bio-Organic Phenomena	3
CHE 300-level or higher non-required CHE course		

Advanced Science or Chemical Engineering Elective

Select one course from the following list:

Code	Title	Hours
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 257	Introduction to Microbiology - S	3
BIOL 329	Cellular and Molecular Biology	3
BIOL 330	Genetics and Molecular Biology	3
BIOL 350	Biostatistics	3
CHEM 342	Organic Chemistry II	3
CHEM 441	Elements of Physical Chemistry	3
CHEM 445	Survey of Biochemistry	3
CHEM 450	Introduction to Computational Chemistry and Molecular Modeling	3
CHEM 465	Physical Chemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 515	Inorganic Chemistry	3
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM 545	Biochemistry I	3

CHEM 550	Group Theory and its Chemical Applications	3
CHEM 557	Bio-Organic Phenomena	3
GEOS 301	Geology for Scientists and Engineers	3
GEOS 360	Global Environmental Change	3
GEOS 363	Climate Science	3
GEOS 365	Biogeography	3
GEOS 564	Hydrology	3
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 300	Introductory Modern Physics	3
CHE 300-level or higher non-required CHE course		

- This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.
- Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.
- Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 32 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA \geq 2.25).
- In order to meet departmental graduation requirements a student may accumulate no more than two D grades in CHE-prefixed courses. Any additional D grades beyond two must be repeated, in accordance with policies on course repetition. If a student accumulates more than one D in any one year of the program, it is strongly recommended that one or more of those courses be repeated to earn a better grade before proceeding to the next course in the sequence. For this policy, grades of D-minus, D or D+ are all considered to be D grades. Note also a student who accumulates more than one D in a ChE course will not be permitted to enter Graduate Studies to pursue the MEng degree program until any courses with D grades in excess of one are repeated and a better grade earned.
- An undergraduate student must receive permission from the department chair in order to enroll in a 600-level course. The course chosen to fulfill this elective requirement cannot be used to satisfy any other program or degree requirements. Note that while some courses are acceptable as either Science or Advanced Chemistry Electives, a single course cannot be used to meet both requirements as the curriculum requires that these two electives constitute a combined total of six (6) credit hours.
- The course chosen to fulfill this elective requirement cannot be used to satisfy other program or degree requirements. Note that while some courses are acceptable as either Science or Advanced Chemistry Electives, a single course cannot be used to meet both requirements as the curriculum requires that these two electives constitute a combined total of six (6) credit hours.
- Any one course of PHIL 222, PHIL 225, PHIL 321, PHIL 323, or PHIL 328 satisfies the ChE Department Ethics Elective requirement. However, only PHIL 222 also counts for the General Education content requirement in Arts and Humanities (AH).

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		17
Spring		
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		18
Summer		
ENGR 201	Engineering Analysis III	4
CHE 205	Introduction to Chemical Engineering	3
CHE 230	Computer Applications in Chemical Engineering	2
CHE 253	Materials Science	3
Hours		12
Year 2		
Fall		
CHE 211	Chemical Engineering Thermodynamics I	3
CHE 288	Chemical Engineering Cooperative Education Seminar	0
CHE 305	Material and Energy Balances	4
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
ENGR 205	Differential Equations for Engineering	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective Global Diversity - AHD2, SBD2, or SBHD2		3
Hours		17
Spring		
CHE 289	Chemical Engineering Cooperative Education I	1
Hours		1
Summer		
CHE 312	Chemical Engineering Thermodynamics II	3
CHE 331	Principles of Fluid Dynamics	3
CHE 401	Safety, Health and Environment	1
ENGR 307	Numerical Methods for Engineering	2
IE 360	Probability and Statistics for Engineers	3
Hours		12
Year 3		
Fall		
CHE 389	Chemical Engineering Cooperative Education II	1
Hours		1
Spring		
CHE 433	Principles of Heat and Mass Transfer	4
CHE 441	Kinetics and Chemical Reactors	3
Select one of the following:		3
COMM 111	Introduction to Public Speaking - OC	
COMM 112	Business and Professional Speaking - OC	
IE 370	Engineering Economic Analysis	3

General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		16
Summer		
CHE 489	Chemical Engineering Cooperative Education III	1
Hours		1
Year 4		
Fall		
CHE 436	Separation Operations	3
CHE 471	The Strategy of Design	3
CHE 485	Unit Operations Laboratory I	2
Advanced Science or Chemical Engineering Elective		3
PHIL 222	Contemporary Moral Problems - AH	3
Hours		14
Spring		
CHE 461	Elements of Process Control	3
CHE 486	Unit Operations Laboratory II	2
CHE 520	Modeling and Transport Phenomena	3
CHE 572	Plant Process and Project Design - CUE	3
Advanced Chemistry or Chemical Engineering Elective		3
Hours		14
Minimum Total Hours		123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Chemistry (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Chemistry

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Chemistry (<http://louisville.edu/chemistry>)
Academic Plan Code(s): CHM_BA

Program Information

The BA degree in chemistry is designed for students who want a more general education than is possible in the BS curriculum, while at the same time receiving a substantial background in chemistry. For several related fields, this program offers a broad pre-professional education.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Early Start Program (Jointly with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 148 credits are required for the dual degrees: 121 credits of coursework devoted toward the baccalaureate degree and 36

credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the major in Chemistry requires completion of CHEM 202 (or equivalent course from another institution) with a grade of C or better.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*		31

The following courses are required by the program and can satisfy the respective General Education Requirement:

CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
MATH 205	Calculus I - QR	
PHYS 221	Fundamentals of Physics I - S	

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language	¹	12
Electives in Humanities or Social Sciences	²	9
WR—two approved courses at the 300 level or above	³	
Minimum Total Hours		22

Program/Major Core

Code	Title	Hours
Department of Chemistry		
CHEM 201	General Chemistry I - S ⁴	3
CHEM 202	General Chemistry II - S ⁴	3
CHEM 207	Introduction to Chemical Analysis I - SL ⁴	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1

CHEM 210	Introduction to Chemical Analysis IV ⁴	1
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
CHEM 441	Elements of Physical Chemistry	3
or CHEM 465	Physical Chemistry I	
CHEM 470	Physical Chemistry Laboratory - WR ⁵	2
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM electives at 300+ level (includes CUE, see below) ^{6,7}		11

Supporting Courses		
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
Complete one of the following sequences:		8-10
<i>Sequence 1:</i>		
PHYS 221	Fundamentals of Physics I - S ⁴	
PHYS 222	Fundamentals of Physics II - S	
PHYS 223	Fundamentals of Physics Lab I - SL	
PHYS 224	Fundamentals of Physics Laboratory II - SL	
<i>Sequence 2:</i>		
PHYS 295	Introductory Laboratories I - SL ⁴	
PHYS 296	Introductory Laboratories II - SL	
PHYS 298	Introductory Mechanics, Heat and Sound - S ⁴	
PHYS 299	Introductory Electricity, Magnetism and Light	
Minimum Electives ⁹		13
Minimum Total Hours		68

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
CHEM 390	Undergraduate Research - CUE, WR	
CHEM 391	Undergraduate Research - CUE	
CHEM 392	Undergraduate Research - CUE	
CHEM 420	Cooperative Internship in Chemistry - CUE, WR	
CHEM 430	Practicum in Chemistry Education - CUE	
CHEM 491	Undergraduate Research - CUE	
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	

Code	Title	Hours
Chemistry Electives		
CHEM 425	Instrumental and Statistical Analysis	3
CHEM 430	Practicum in Chemistry Education - CUE	1
CHEM 445	Survey of Biochemistry ⁸	3
CHEM 515	Inorganic Chemistry	3
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	3
CHEM 529	Contemporary Methods of Synthesis and Analysis II	3
CHEM 545	Biochemistry I ⁸	3
CHEM 546	Biochemistry Laboratory	2
CHEM 547	Biochemistry II	3

CHEM 555	Theory and Application of Computational Chemistry	3
CHEM 557	Bio-Organic Phenomena	3
CHEM 390	Undergraduate Research - CUE, WR	3
CHEM 391	Undergraduate Research - CUE	1-3
CHEM 392	Undergraduate Research - CUE	1-3
CHEM 491	Undergraduate Research - CUE	1-3
CHEM 492	Undergraduate Research	1-3
CHEM 420	Cooperative Internship in Chemistry - CUE, WR	1-3

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

- 1 Completion of the intermediate level of a single foreign language
- 2 In addition to courses counted toward General Education; 6 hours must be at 300 level or above.
- 3 May be incorporated into other degree requirements
- 4 May fulfill General Education requirement.
- 5 CHEM 470 plus 3 semester hours of another WR course will fulfill the WR requirement.
- 6 Independent Study may not be used for this requirement.
- 7 See table for CHEM Electives. With the consent of the instructor(s), graduate level courses in Chemistry may also be used to fulfill these requirements.
- 8 Credit may not be earned for both CHEM 445 and CHEM 545.
- 9 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		15
Spring		
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Historical Perspective - SBH		3
Hours		14
Year 2		
Fall		
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
PHYS 221	Fundamentals of Physics I - S	3

PHYS 223	Fundamentals of Physics Lab I - SL	1
MATH 205	Calculus I - QR	4
General Elective (300 level or above)		3
Hours		16

Spring

CHEM 342	Organic Chemistry II	3
CHEM 344	Organic Chemistry Laboratory II	2
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
MATH 206	Calculus II	4
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16

Year 3

Fall

CHEM 441 or CHEM 465	Elements of Physical Chemistry or Physical Chemistry I	3
Chemistry Elective		2-3
Humanities or Social Science Elective (300 level or above)		3
Foreign Language 1		4
General Elective (300 level or above)		3
Hours		15-16

Spring

CHEM 470	Physical Chemistry Laboratory - WR	2
Chemistry Elective		3
General Education: Cardinal Core Social & Behavioral US Diversity - SBD1		3
Foreign Language 2		4
General Elective		3
Hours		15

Year 4

Fall

CHEM 527	Introduction to Separations and Spectroscopy - WR	3
Chemistry Elective		3
Foreign Language 3		4
Humanities or Social Science Elective (300 level or above)		3
General Elective		3
Hours		16

Spring

Chemistry Elective (CUE)		3
Humanities or Social Science Elective (300 level or above)		3
General Elective		3
General Elective		3
General Elective		2
Hours		14

Minimum Total Hours 121-122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Chemistry (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Chemistry

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Chemistry (<http://louisville.edu/chemistry>)
Academic Plan Code(s): See Track Requirements tab

Program Information

The BS in Chemistry degree program is designed to prepare professional chemists for industrial, governmental, academic, and research positions. This curriculum meets approved requirements for professional training.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	41
	Track Requirements	34-51
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives may be required to complete the minimum hours for the degree. To complete the degree in the minimum number of hours listed for the Business track, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

Specific coursework information can be found on the Degree Requirements tab.

Early Start Program (Jointly with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 148 credits are required for the dual degrees: 121 credits of coursework devoted toward the baccalaureate degree and 36 credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the major in Chemistry requires completion of CHEM 202 (or equivalent course from another institution) with a grade of C or better.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

CHEM 201	General Chemistry I - S
CHEM 207	Introduction to Chemical Analysis I - SL
MATH 205	Calculus I - QR
PHYS 221	Fundamentals of Physics I - S
	or PHYS 295 Introductory Laboratories I - SL

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree. To complete the Business track in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		6-8
Electives in Humanities or Social Sciences at the 300-level or above ²		6
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Chemistry		
CHEM 201	General Chemistry I - S ⁴	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL ⁴	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
CHEM 470	Physical Chemistry Laboratory - WR	2
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
Supporting Courses		
MATH 205	Calculus I - QR ⁴	4
MATH 206	Calculus II	4
Complete one of the following sequences:		8-10
Sequence 1:		
PHYS 221	Fundamentals of Physics I - S ⁴	
PHYS 222	Fundamentals of Physics II - S	
PHYS 223	Fundamentals of Physics Lab I - SL	
PHYS 224	Fundamentals of Physics Laboratory II - SL	
Sequence 2:		
PHYS 295	Introductory Laboratories I - SL ⁴	
PHYS 296	Introductory Laboratories II - SL	
PHYS 298	Introductory Mechanics, Heat and Sound - S ⁴	
PHYS 299	Introductory Electricity, Magnetism and Light	
Track Requirements		34-51
Minimum Total Hours		75-92

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
CHEM 390	Undergraduate Research - CUE, WR	

CHEM 391	Undergraduate Research - CUE
CHEM 392	Undergraduate Research - CUE
CHEM 420	Cooperative Internship in Chemistry - CUE, WR
CHEM 430	Practicum in Chemistry Education - CUE
CHEM 491	Undergraduate Research - CUE
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE

¹ Completion of the second semester of a single foreign language; hours will vary depending on language taken

² In addition to courses counted toward General Education

³ May be incorporated into other degree requirements

⁴ Fulfills General Education requirement.

⁵ CHEM 470 plus 3 semester hours of another WR course will fulfill the WR requirement.

Track Requirements

Students completing the BS in Chemistry may pursue the standard degree track or a specialized track in Biochemistry or a track in Business. Requirements for all three of these options are listed below.

Chemistry BS

Academic Plan Code(s): CHM_BS

Code	Title	Hours
Department of Chemistry		
CHEM 425	Instrumental and Statistical Analysis	3
CHEM 465	Physical Chemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 445	Survey of Biochemistry	3
or CHEM 545	Biochemistry I	
CHEM 515	Inorganic Chemistry	3
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	3
CHEM 529	Contemporary Methods of Synthesis and Analysis II	3
Undergraduate Research or Cooperative Internship		3
Supporting Courses		
MATH 301	Calculus III	4
Elective in Mathematics, Physics, or Chemistry at 300 level or above ¹		3
Elective in Natural Sciences Division, other than Chemistry, at the 300 level or above		3
Minimum Total Hours		34

¹ As many as 3 additional hours in Undergraduate Research in Chemistry may be applied toward the degree. With the consent of the instructor, graduate-level courses in Chemistry may also be used.

Track in Biochemistry

Academic Plan Code(s): CHM_BS_BIO

This degree track is designed to prepare students for a career that combines both chemistry and modern biology.

Code	Title	Hours
Department of Chemistry		
CHEM 465	Physical Chemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 545	Biochemistry I	3
CHEM 547	Biochemistry II	3
CHEM 546	Biochemistry Laboratory	2
Undergraduate Research or Cooperative Internship		3
Supporting Courses		
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 329	Cellular and Molecular Biology	3
BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
CHEM or BIOL electives - see table below (at least 3 hours of which must be in Chemistry) ³		4-6
MATH 301	Calculus III	4
Minimum Total Hours		39-41

- ¹ Fulfills General Education requirement.
- ² CHEM 470 plus 3 semester hours of another WR course will fulfill the WR requirement
- ³ As many as 3 additional hours in Undergraduate Research in Chemistry may be applied toward the degree. With the consent of the instructor, graduate level courses in Chemistry may also be used.

Chemistry or Biology Electives

Code	Title	Hours
BIOL 357 or BIOL 485	General Microbiology Microbial Physiology - CUE, WR	3
BIOL 358	Microbiology Laboratory	1
BIOL 400	Histology	4
BIOL 465	Principles of Physiology	3
BIOL 541	Medicinal Plant Biochemistry - CUE, WR	3
BIOL 542	Gene Structure and Function - WR	3
CHEM 425	Instrumental and Statistical Analysis	3
CHEM 430	Practicum in Chemistry Education - CUE	1
CHEM 515	Inorganic Chemistry	3
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	3
CHEM 529	Contemporary Methods of Synthesis and Analysis II	3
CHEM 555	Theory and Application of Computational Chemistry	3
CHEM 557	Bio-Organic Phenomena	3

Track in Business

Academic Plan Codes: CHM_BS_BUS

This degree track combines a general program in chemistry with a fundamental program in business. The curriculum is designed to prepare chemists for industrial and governmental positions.

Code	Title	Hours
Department of Chemistry		
CHEM 441 or CHEM 465	Elements of Physical Chemistry Physical Chemistry I	3
CHEM electives at 300 level or above (other than Independent Study) ³		15
Supporting Courses		
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
CIS 250	Introduction to Data and Information Management	3
CIS 300	Computer Information Systems	3
ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
Select one of the following:		3
BSTA 301	Business Statistics (previously BSTA 201)	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
MGMT 301	Management and Organizational Behavior	3
MKT 301	Principles of Marketing	3
FIN 301	Corporate Finance	3
Elective in the School of Business at the 300-level or above		3
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following approved CUE courses:		
CHEM 390	Undergraduate Research - CUE, WR	
CHEM 391	Undergraduate Research - CUE	
CHEM 392	Undergraduate Research - CUE	
CHEM 420	Cooperative Internship in Chemistry - CUE, WR	
CHEM 430	Practicum in Chemistry Education - CUE	
CHEM 491	Undergraduate Research - CUE	
CHEM 492	Undergraduate Research	
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	
Minimum Total Hours		51

Chemistry Electives

Code	Title	Hours
CHEM 425	Instrumental and Statistical Analysis	3
CHEM 430	Practicum in Chemistry Education - CUE	1
CHEM 445	Survey of Biochemistry ⁴	3
CHEM 515	Inorganic Chemistry	3
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	3
CHEM 529	Contemporary Methods of Synthesis and Analysis II	3
CHEM 545	Biochemistry I ⁴	3
CHEM 546	Biochemistry Laboratory	2
CHEM 547	Biochemistry II	3
CHEM 555	Theory and Application of Computational Chemistry	3
CHEM 557	Bio-Organic Phenomena	3
CHEM 390	Undergraduate Research - CUE, WR	3
CHEM 391	Undergraduate Research - CUE	1-3

CHEM 392	Undergraduate Research - CUE	1-3
CHEM 491	Undergraduate Research - CUE	1-3
CHEM 492	Undergraduate Research	1-3
CHEM 420	Cooperative Internship in Chemistry - CUE, WR	1-3

- 1 Fulfills General Education requirement.
- 2 CHEM 470 plus 3 semester hours of another WR course will fulfill the WR requirement.
- 3 See Chemistry Electives below. With the consent of the instructor(s), graduate level courses in Chemistry may also be used to fulfill these requirements.
- 4 Credit may not be earned for CHEM 445 and CHEM 545.

Flight Plan

Chemistry BS

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Historical Perspectives - SBH		3
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
MATH 205	Calculus I - QR	4
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
Hours		15
Year 2		
Fall		
Foreign Language 1		3-4
MATH 206	Calculus II	4
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
Hours		16-17
Spring		
Foreign Language 2		3-4
MATH 301	Calculus III	4
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
CHEM 342	Organic Chemistry II	3
CHEM 344	Organic Chemistry Laboratory II	2
Hours		16-17
Year 3		
Fall		
CHEM 425	Instrumental and Statistical Analysis	3
CHEM 465	Physical Chemistry I	3
Chemistry Undergraduate Research or Co-Op		3
General Elective		3

General Elective		3
Hours		15
Spring		
Humanities or Social Science WR Elective (300 level or above)		3
CHEM 445 or CHEM 545	Survey of Biochemistry or Biochemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 470	Physical Chemistry Laboratory - WR	2
General Elective		3
Hours		14
Year 4		
Fall		
General Education: Cardinal Core Social & Behavioral US Diversity - SBD1		3
Natural Science Elective (300 level or above)		3
Math, Physics, or Chemistry Elective (300 level or above)		3
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM 515	Inorganic Chemistry	3
Hours		15
Spring		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
Humanities or Social Science Elective (300 level or above)		3
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE	3
CHEM 529	Contemporary Methods of Synthesis and Analysis II	3
Hours		15
Minimum Total Hours		121-123

Track in Biochemistry

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
BIOL 240	Unity of Life - S	3
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
BIOL 242	Diversity of Life - S	3
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
Hours		15
Year 2		
Fall		
MATH 206	Calculus II	4
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
BIOL 329	Cellular and Molecular Biology	3
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
Hours		16
Spring		
MATH 301	Calculus III	4
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1

CHEM 342	Organic Chemistry II	3
CHEM 344	Organic Chemistry Laboratory II	2
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Year 3		
Fall		
BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
CHEM 465	Physical Chemistry I	3
Historical Perspectives-SBH		3
Chemistry Undergraduate Research or Co-op (CUE)		3
Hours		14
Spring		
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral US Diversity - SBD1		3
Foreign Language 1		4
CHEM 466	Physical Chemistry II	3
CHEM 470	Physical Chemistry Laboratory - WR	2
Hours		15
Year 4		
Fall		
Humanities or Social Science WR Elective (300 level or above)		3
Foreign Language 2		4
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM 545	Biochemistry I	3
CHEM 546	Biochemistry Laboratory	2
Hours		15
Spring		
CHEM 547	Biochemistry II	3
Chemistry Elective		3
Biology or Chemistry Elective		3
Humanities or Social Science Elective (300 level or above)		3
General Elective		3
Hours		15
Minimum Total Hours		121

Track in Business

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
ECON 201	Principles of Microeconomics - SB	3
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
ECON 202	Principles of Macroeconomics - SB	3
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
General Education: Cardinal Core Social & Behavioral Historical Perspectives - SBH		3
Hours		18

Year 2		
Fall		
MATH 206	Calculus II	4
ACCT 201	Principles of Financial Accounting	3
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
Hours		16
Spring		
ACCT 202	Principles of Managerial Accounting	3
CIS 250	Introduction to Data and Information Management	3
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
CHEM 342	Organic Chemistry II	3
CHEM 344	Organic Chemistry Laboratory II	2
Hours		15
Year 3		
Fall		
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Foreign Language 1		3-4
CIS 300	Computer Information Systems	3
MGMT 201	Business Statistics	3
CHEM 441 or CHEM 465	Elements of Physical Chemistry or Physical Chemistry I	3
Hours		15-16
Spring		
Foreign Language 2		3-4
Humanities or Social Science WR Elective (300 level or above)		3
MGMT 301	Management and Organizational Behavior	3
CHEM 470	Physical Chemistry Laboratory - WR	2
Chemistry Elective		3
Chemistry Elective		3
Hours		17-18
Year 4		
Fall		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
MKT 301	Principles of Marketing	3
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
Chemistry Electives		6
Hours		15
Spring		
CHEM 528	Contemporary Methods of Synthesis and Analysis I - CUE (or Undergraduate Research - CUE)	3
Chemistry Elective (300 level or above)		3
Humanities or Social Science Elective (300 level or above)		3
FIN 301	Corporate Finance	3
Business Elective (300 level)		3
Hours		15
Minimum Total Hours		126-128

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.

- Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
- To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Civil Engineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Civil Engineering

Unit: Speed School of Engineering (SS) (<https://engineering.louisville.edu>)

Department: Civil Engineering (<https://engineering.louisville.edu/civil>)
Academic Plan Code(s): CE_ _BCE

Program Information

Students specializing in Civil Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Civil & Environmental Engineering - nine semesters in Departmental Studies to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Civil Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>). The Master of Engineering in Civil Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<http://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

(19 hours of General Education requirements may be satisfied through coursework required by the degree program)	
College/School Requirements	38
Program/Major Requirements	73
Minimum Total Hours	123

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree **in the minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 27 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA \geq 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101 & ENGL 102	Introduction to College Writing - WC Intermediate College Writing - WC ^{2,3}	
ENGR 101	Engineering Analysis I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
Speed School Core		
CHEM 201	General Chemistry I - S ²	3
CHEM 207	Introduction to Chemical Analysis I - SL ²	1
COMM 111	Introduction to Public Speaking - OC ² or COMM 112 Business and Professional Speaking - OC	3
ENGL 101	Introduction to College Writing - WC ^{2,3}	3
ENGL 102	Intermediate College Writing - WC ^{2,3}	3
ENGR 101	Engineering Analysis I - QR ²	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2

ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ²	4
Engineering Fundamentals⁴		
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 307	Numerical Methods for Engineering	2
Minimum Total Hours		38

Program/Major Requirements

Code	Title	Hours
Civil Engineering Department Requirements		
CEE 205	Mechanics I: Statics	3
CEE 254	Mechanics of Solids	3
CEE 255	Mechanics of Materials Laboratory	1
CEE 260	Civil Engineering Field Measurements	2
CEE 261	Civil Engineering Field Measurements Laboratory	1
CEE 288	Civil and Environmental Engineering Cooperative Education Seminar	0
CEE 289	Civil and Environmental Engineering Cooperative Education I	1
CEE 309	Introduction to Environmental Engineering	3
CEE 322	Structural Analysis	3
CEE 370	Engineering Hydraulics	3
CEE 371	Engineering Hydraulics Lab	1
CEE 389	Civil and Environmental Engineering Cooperative Education II	1
CEE 401	Civil Engineering Professional Practice	2
CEE 421	Fundamentals of Concrete Design	3
CEE 422	Fundamentals of Steel Design	3
CEE 450	Geomechanics	3
CEE 451	Geomechanics Laboratory	1
CEE 452	Foundation Engineering	3
CEE 460	Transportation Systems Engineering	3
CEE 470	Surface Water Hydrology	3
CEE 471	Water Supply and Sewerage	3
CEE 480	Civil & Environmental Engineering Capstone Design - CUE (CUE)	3
CEE 489	Civil Engineering Cooperative Education III	1
CEE 530	Construction Materials	3
Civil Engineering Core		
PHYS 295	Introductory Laboratories I - SL	1
Supporting Courses		
GEOS 301	Geology for Scientists and Engineers	3
IE 360	Probability and Statistics for Engineers	3
IE 370	Engineering Economic Analysis	3
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
PHYS 299	Introductory Electricity, Magnetism and Light	4
Minimum Total Hours		73

Candidates for the Bachelor of Science degree must be in good standing (university GPA ≥ 2.25) and must attain a grade point average of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
CEE 480	Civil & Environmental Engineering Capstone Design - CUE	

- ¹ To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.
- ² This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.
- ³ Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.
- ⁴ Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 27 semester hours in Engineering Fundamentals. In addition, the student must be in good standing with (university GPA ≥ 2.25).

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		14
Summer		
CEE 205	Mechanics I: Statics	3
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
Hours		12
Year 2		
Fall		
CEE 254	Mechanics of Solids	3
CEE 255	Mechanics of Materials Laboratory	1
CEE 260	Civil Engineering Field Measurements	2

CEE 261	Civil Engineering Field Measurements Laboratory	1
CEE 288	Civil and Environmental Engineering Cooperative Education Seminar	0
COMM 111 or COMM 112	Introduction to Public Speaking - OC or Business and Professional Speaking - OC	3
ENGR 205	Differential Equations for Engineering	2
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
Hours		18
Spring		
CEE 289	Civil and Environmental Engineering Cooperative Education I	1
Hours		1
Summer		
CEE 309	Introduction to Environmental Engineering	3
CEE 322	Structural Analysis	3
IE 360	Probability and Statistics for Engineers	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		12
Year 3		
Fall		
CEE 389	Civil and Environmental Engineering Cooperative Education II	1
Hours		1
Spring		
CEE 370	Engineering Hydraulics	3
CEE 371	Engineering Hydraulics Lab	1
CEE 460	Transportation Systems Engineering	3
ENGR 307	Numerical Methods for Engineering	2
GEOS 301	Geology for Scientists and Engineers	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective Global Diversity - AHD2, SBD2, or SBHD2		3
Hours		15
Summer		
CEE 489	Civil Engineering Cooperative Education III	1
Hours		1
Year 4		
Fall		
CEE 401	Civil Engineering Professional Practice	2
CEE 422	Fundamentals of Steel Design	3
CEE 450	Geomechanics	3
CEE 451	Geomechanics Laboratory	1
CEE 470	Surface Water Hydrology	3
IE 370	Engineering Economic Analysis	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		18
Spring		
CEE 421	Fundamentals of Concrete Design	3
CEE 452	Foundation Engineering	3
CEE 471	Water Supply and Sewerage	3
CEE 480	Civil & Environmental Engineering Capstone Design - CUE	3
CEE 530	Construction Materials	3
Hours		15
Minimum Total Hours		123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to

compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

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2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

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Communication (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Communication

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Communication (<http://comm.louisville.edu/department>)
Academic Plan Code(s): COMMBA, COMMBA_O

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Department of Communication offers both a Bachelor of Arts and a Bachelor of Science degree in Communication.

A Bachelor of Arts degree and a Bachelor of Science degree are equally valued. Both offer the students who earn them the opportunity to continue their education at the master's degree level if they are so inclined. But, the two tracks do tend to hone different strengths. The coursework required for a Bachelor of Arts degree generally allows students to sharpen their oral and written communication skills. The demands of a Bachelor of Science degree include sharpening basic Communication skills as well as developing analytical skills relevant to Communication in a more in-depth manner.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements ²	19
	Program/Major Requirements ^{1,2}	71
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

² 3 hours of College/School requirement is satisfied in Natural Science requirement in Program/Major supporting coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in Communication requires:

1. Completion of COMM 201 with a minimum grade of C
2. A minimum cumulative grade point average of 2.0
3. A minimum grade point average of 2.0 on courses in the major

The application for major form can be found on the Arts and Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising>/apply).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

COMM 201 Introduction to Communication - SB

Some other courses approved as options for satisfying program requirements (e.g., MATH 109) may also satisfy General Education requirements.

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		12

Electives in Humanities or Natural Sciences at the 300-level or above ²	6
WR—two approved courses at the 300 level or above ³	
Minimum Total Hours	19

Program/Major Requirements

Code	Title	Hours
Department of Communication		
COMM 201	Introduction to Communication - SB ⁴	3
COMM 303	Introduction to Communication Technologies	3
COMM 304	Argument In Everyday Life	3
COMM 305	Introduction to Mass Communication	3
COMM 315	Introduction to Interpersonal Communication	3
COMM 316	Research Methods	3
COMM elective at 200 level or above		3
COMM electives at 300 level or above		9
COMM electives at 400 level or above ⁵		3
COMM CUE course (see list below)		3
Supporting Courses		
<i>Statistics/Quantitative Methods</i>		3
Select one of the following: ⁶		
MATH 109	Elementary Statistics - QR	
BSTA 301	Business Statistics	
CJ 326	Quantitative Analysis - QR	
HSS 377	Introduction to Statistics in Health and Human Performance	
PAS 408	Research Methods in Pan-African Studies - WR	
POLS 390	Contemporary Political Research	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
<i>Social Science Elective in Human Behavior</i>		3
Select one of the following: ⁷		
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
ANTH 203	Archaeology of Human History - D2, SBH	
ANTH 309/ WGST 300	Sex, Gender and Culture	
ANTH 310/ PAS 368	Race, Culture, Identity	
CJ 200	Crime and Justice in the United States - SB	
CJ 201	Law Enforcement in the United States - SB	
CJ 202	Corrections in the United States - SB	
GEOG 324	Race and Place	
HIST 321	Black Culture and U.S. Democracy	
HIST 326	History of Childhood in America - D1, SBH, WR	
HSS 364	Women's Health Issues - D1, SB	
LALS 310	Introduction to Latin American Studies - D2, SB	
LALS 317	Social Sciences Special Topics in Latino Studies	
PAS 200	Introduction to Pan-African Studies - D1, SB	
PAS 301	Social Sciences Special Topics in Pan-African Studies	
PSYC 201	Introduction to Psychology - SB	
SOC 201	Introduction to Sociology - SB	
SOC 202	Social Problems - D1, SB	

SOC 203	Introduction to Social Psychology - SB	
SOC 210	Race in the United States - D1, SB	
SOC 305	Urban Sociology	
SOC 325	Sociology of Human Sexuality	
SOC 327/ WGST 313	Sociology of Gender	
WGST 201	Women In American Culture - D1, SB	
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
<i>Natural Science Elective in Human Behavior, Development, Environment or Health</i>		3
Select one of the following: ⁸		
ANTH 306	Human Biological Variation	
BIOL 102	Biology: Current Issues and Applications - S	
BIOL 240	Unity of Life - S	
BIOL 242	Diversity of Life - S	
BIOL 260	Human Anatomy & Physiology I	
CHEM 101	Introduction to Chemistry - S	
CHEM 105	Chemistry for Health Professionals - S	
CHEM 201	General Chemistry I - S	
GEOS 200	The Global Environment - S	
GEOS 220	Contemporary Issues in Meteorology - S	
GEOS 360	Global Environmental Change	
GEOS 363	Climate Science	
HSS 202	Human Anatomy & Physiology	
HSS 302	Nutrition in Healthy Living	
HSS 303	Human Nutrition	
PHYS 107	Elementary Astronomy - S	
PHYS 111	Elements of Physics - B	
PSYC 344	Physiological Psychology	
SW 203	Human Biology for Social Sciences	
Social Science electives (other than Communication) with 12 hours at the 300 level or above ^{9,10}		15
Minimum Electives ¹¹		11
Minimum Total Hours		71

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree. COMM 111, COMM 112, and COMM 115 are not counted in computing the 40 hours for a Communication major.

3 hours of College/School requirement is satisfied in Natural Science requirement in Program/Major supporting coursework.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
COMM 402	Independent Research in Communication - CUE	
COMM 417	Senior Communication Internship - CUE	
COMM 427	Case Studies in Communication - CUE	
COMM 436	Health Communication Campaign Planning - CUE, WR	
COMM 437	Mass Media and Close Relationships - CUE	

COMM 445	Strategic Communication Campaigns - CUE	
COMM 465	Special Topics in Communication Service Learning - CUE	
COMM 481	Senior Practicum - CUE	
COMM 498	Senior Thesis - CUE, WR	
COMM 505	Perspectives on Religion and Media - CUE, WR	
COMM 506	Ethical Problems in Communication - CUE, WR	
COMM 565	Special Topics in Communication Service Learning - CUE	

- 1 Completion of the intermediate level of a single foreign language
- 2 In addition to courses counted toward General Education
- 3 May be incorporated into other degree requirements
- 4 Fulfills General Education requirement.
- 5 Excluding COMM 417
- 6 Or another statistics elective approved by an advisor
- 7 Or another Social Science elective approved by an advisor
- 8 Or another Natural Sciences course approved by an advisor
- 9 Only 12 hours needed if statistics requirement fulfilled in a social science discipline.
- 10 In addition to courses counted toward General Education
- 11 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 1		3-4
Hours		13-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
COMM 111 or COMM 112 or COMM 115	Introduction to Public Speaking - OC or Business and Professional Speaking - OC or Interpersonal Skills - OC	3
COMM 201	Introduction to Communication - SB	3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
COMM 305	Introduction to Mass Communication	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Foreign Language 3		3-4
General Elective		2
Hours		15-16
Spring		
COMM 304	Argument In Everyday Life	3
Statistics/Quantitative Methods Elective		3
Humanities or Natural Science Elective (300 level or above)		3

Communication Elective (200 level or above)	3
Foreign Language 4 (if needed) or General Elective	3
Hours	15
Year 3	
Fall	
COMM 303 Introduction to Communication Technologies	3
COMM 315 Introduction to Interpersonal Communication	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2	3
Humanities or Natural Science Elective (300 level or above)	3
Social Science Elective in Human Behavior	3
Hours	15
Spring	
COMM 316 Research Methods	3
Communication Elective (300 level or above)	3
Communication WR Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
Natural Science Elective in Human Behavior, Development, Environment or Health Elective	3
Hours	15
Year 4	
Fall	
Communication Elective (300 level or above)	3
Communication Elective & WR (400 level or above)	3
Social Science Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
General Elective	3
Hours	18
Spring	
Communication CUE course	3
Communication Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
General Elective (300 level or above)	3
General Elective	3
Hours	15
Minimum Total Hours	121-125

Click here to run a Degree Audit report, or create a What-if report. (https://ulink.louisville.edu/psp/pa91p/EMPLOYEE/EMPL/h/?tab=L_STUDENT_SERVICES) Once you're logged into your ULink account, click on the Student Services tab, then click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area. To create a What-if report, click on "Create a What-if Advisement Report."

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. For both reports, please consult with your advisor before editing your course schedule.

Communication (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Communication

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Communication (<http://comm.louisville.edu/department>)
Academic Plan Code(s): COMMBS

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Department of Communication offers both a Bachelor of Arts and a Bachelor of Science degree in Communication.

A Bachelor of Arts degree and a Bachelor of Science degree are equally valued. Both offer the students who earn them the opportunity to continue their education at the master's degree level if they are so inclined. But, the two tracks do tend to hone different strengths. The coursework required for a Bachelor of Arts degree generally allows students to sharpen their oral and written communication skills. The demands of a Bachelor of Science degree include sharpening basic Communication skills as well as developing analytical skills relevant to Communication in a more in-depth manner.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ^{1,2}	75-77
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

² Includes 9-11 hours of electives

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BS program in Communication requires:

1. Completion of COMM 201 with a minimum grade of C;
2. A minimum cumulative grade point average of 2.5; and
3. A minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
COMM 201	Introduction to Communication - SB	
Some courses options for meeting other program requirements may also satisfy General Education requirements.		

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Natural Sciences at the 300-level or above ²	6
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Communication		
COMM 201	Introduction to Communication - SB ⁴	3
COMM 303	Introduction to Communication Technologies	3
COMM 304	Argument In Everyday Life	3
COMM 305	Introduction to Mass Communication	3
COMM 315	Introduction to Interpersonal Communication	3
COMM 316	Research Methods	3
COMM 417	Senior Communication Internship - CUE	3
COMM 302 or COMM 319	Advanced Speech Communication Debate	3
Select one of the following:		3
COMM 320	Newswriting - WR	

COMM 323	Magazine and Feature Writing - WR	
COMM 344	Strategic Communication Writing - WR	
COMM elective at 200 level or above		3
COMM electives at 300 level or above		12
COMM electives at 400 level or above ⁵		6
Supporting Courses		
<i>Statistics/Quantitative Methods</i> ⁶		3
Select one of the following: ⁷		
MATH 109	Elementary Statistics - QR	
BSTA 301	Business Statistics	
CJ 326	Quantitative Analysis - QR	
PAS 408	Research Methods in Pan-African Studies - WR	
HSS 377	Introduction to Statistics in Health and Human Performance	
POLS 390	Contemporary Political Research	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
<i>Social Science Elective in Human Behavior</i> ⁶		3
Select one of the following: ⁸		
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
ANTH 203	Archaeology of Human History - D2, SBH	
ANTH 309/ WGST 300	Sex, Gender and Culture	
ANTH 310/ PAS 368	Race, Culture, Identity	
CJ 200	Crime and Justice in the United States - SB	
CJ 201	Law Enforcement in the United States - SB	
CJ 202	Corrections in the United States - SB	
GEOG 324	Race and Place	
HIST 321	Black Culture and U.S. Democracy	
HIST 326	History of Childhood in America - D1, SBH, WR	
HSS 364	Women's Health Issues - D1, SB	
LALS 310	Introduction to Latin American Studies - D2, SB	
LALS 317	Social Sciences Special Topics in Latino Studies	
PAS 200	Introduction to Pan-African Studies - D1, SB	
PAS 301	Social Sciences Special Topics in Pan-African Studies	
PSYC 201	Introduction to Psychology - SB	
SOC 201	Introduction to Sociology - SB	
SOC 202	Social Problems - D1, SB	
SOC 203	Introduction to Social Psychology - SB	
SOC 210	Race in the United States - D1, SB	
SOC 305	Urban Sociology	
SOC 325	Sociology of Human Sexuality	
SOC 327/ WGST 313	Sociology of Gender	
WGST 201	Women In American Culture - D1, SB	
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
<i>Natural Sciences Elective in Human Behavior, Development, Environment, or Health</i> ⁶		3
Select one of the following: ⁹		
ANTH 306	Human Biological Variation	

BIOL 102	Biology: Current Issues and Applications - S	
BIOL 240	Unity of Life - S	
BIOL 242	Diversity of Life - S	
BIOL 260	Human Anatomy & Physiology I	
CHEM 101	Introduction to Chemistry - S	
CHEM 105	Chemistry for Health Professionals - S	
CHEM 201	General Chemistry I - S	
GEOS 200	The Global Environment - S	
GEOS 220	Contemporary Issues in Meteorology - S	
GEOS 360	Global Environmental Change	
GEOS 363	Climate Science	
HSS 202	Human Anatomy & Physiology	
HSS 302	Nutrition in Healthy Living	
HSS 303	Human Nutrition	
PHYS 107	Elementary Astronomy - S	
PHYS 111	Elements of Physics - B	
PSYC 344	Physiological Psychology	
SW 203	Human Biology for Social Sciences	
Social Science electives (other than Communication) ⁶		9
Minimum Electives ¹⁰		9-11
Minimum Total Hours		75-77

Only 60 hours in the major department may be applied toward the Bachelor of Science degree. COMM 111, COMM 112, and COMM 115 are not counted in computing the 60 hours for a Communication major.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
COMM 402	Independent Research in Communication - CUE	
COMM 417	Senior Communication Internship - CUE	
COMM 427	Case Studies in Communication - CUE	
COMM 436	Health Communication Campaign Planning - CUE, WR	
COMM 437	Mass Media and Close Relationships - CUE	
COMM 445	Strategic Communication Campaigns - CUE	
COMM 465	Special Topics in Communication Service Learning - CUE	
COMM 481	Senior Practicum - CUE	
COMM 498	Senior Thesis - CUE, WR	
COMM 505	Perspectives on Religion and Media - CUE, WR	
COMM 506	Ethical Problems in Communication - CUE, WR	
COMM 565	Special Topics in Communication Service Learning - CUE	

¹ Completion of the second semester of a single foreign language; hours will vary depending on the language taken

² In addition to courses counted toward General Education

³ May be incorporated into other degree requirements

⁴ Fulfills General Education requirement

⁵ Excluding COMM 417.

⁶ In addition to courses counted toward General Education.

⁷ Or another statistics elective approved by an advisor

⁸ Or another Social Science elective approved by an advisor

⁹ Or another Natural Sciences elective approved by an advisor

¹⁰ Some credit hours from the General Education Requirements may be satisfied by courses that also satisfy program requirements, in which case additional electives will be required to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100	Student Success Center Orientation	1
or GEN 101	or Arts and Sciences Orientation	
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 1		3-4
Hours		13-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
COMM 111	Introduction to Public Speaking - OC	3
or COMM 112	or Business and Professional Speaking - OC	
or COMM 115	or Interpersonal Skills - OC	
COMM 201	Introduction to Communication - SB	3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
COMM 305	Introduction to Mass Communication	3
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Elective		3
Hours		16
Spring		
COMM 302	Advanced Speech Communication	3
or COMM 319	or Debate	
COMM 304	Argument In Everyday Life	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Statistics/Quantitative Methods Elective		3
Humanities or Natural Science WR Elective (300 level or above)		3
Hours		15
Year 3		
Fall		
COMM 303	Introduction to Communication Technologies	3
COMM 315	Introduction to Interpersonal Communication	3
Humanities or Natural Science Elective (300 level or above)		3
Social Science Elective in Human Behavior		3
Social Science Elective		3
Hours		15
Spring		
COMM 316	Research Methods	3
Communication Elective (200 level or above)		3
Communication Elective (300 level or above)		3
Social Science Elective		3

Natural Science Elective in Human Behavior, Development, Environment, or Health	3
Hours	15
Year 4	
Fall	
Select one of the following:	3
COMM 320 Newswriting - WR	
COMM 323 Magazine and Feature Writing - WR	
COMM 344 Strategic Communication Writing - WR	
Communication WR Elective (400 level or above)	3
Communication Elective (300 level or above)	3
Communication Elective (300 level or above)	3
Social Science Elective	3
Hours	15
Spring	
COMM 417 Senior Communication Internship - CUE	3
Communication Elective (300 level or above)	3
Communication Elective (400 level or above)	3
General Elective	3
General Elective	3
General Elective (if needed)	3
Hours	17
Minimum Total Hours	121-124

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Computer Science and Engineering (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Computer Science and Engineering

Unit: Speed School of Engineering (SS) (<https://engineering.louisville.edu>)

Department: Computer Science and Engineering (<http://engineering.louisville.edu/computer>)

Academic Plan Code(s): CECSBCC

Program Information

Students specializing in Computer Science and Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Computer Science and Engineering - nine semesters in Departmental Studies to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum includes a cooperative education component.

The Bachelor of Science in Computer Science and Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) and Computing Accreditation Commission (CAC) of ABET, www.abet.org (<http://www.abet.org>). The Master of Engineering in Computer Science and Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	(22 hours of General Education requirements may be satisfied through coursework required by the degree program)	
	College/School Requirements ¹	40
	Program/Major Requirements	74
	Minimum Total Hours	123

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree **in the minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA ≥ 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC ³	
ENGL 102	Intermediate College Writing - WC	

ENGR 101	Engineering Analysis I - QR
PHYS 298	Introductory Mechanics, Heat and Sound - S

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
Speed School Core		
CHEM 201	General Chemistry I - S ²	3
CHEM 207	Introduction to Chemical Analysis I - SL ²	1
COMM 111	Introduction to Public Speaking - OC ²	3
or COMM 112	Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC ^{2,3}	3
ENGL 102	Intermediate College Writing - WC ^{2,3}	3
ENGR 101	Engineering Analysis I - QR ²	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ²	4
Engineering Fundamentals⁴		
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 330	Linear Algebra for Engineering	2
Minimum Total Hours		37

Program/Major Requirements

Code	Title	Hours
Computer Science and Engineering Department Requirements		
CECS 220	Object Oriented Program Design with Java	3
CECS 288	Computer Engineering and Computer Science Cooperative Education Seminar	0
CECS 289	Computer Engineering and Computer Science Cooperative Education I	1
CECS 302	Data Structures	3
CECS 310	Discrete Structures	3
CECS 311	Ethics, Social, and Legal Aspects on the Electronic Frontier	3
CECS 389	Computer Engineering and Computer Science Cooperative Education II	1
CECS/ECE 412	Introduction to Embedded Systems	3
CECS 419	Introduction to Algorithms	3
CECS 420	Design of Operating Systems	3
CECS 489	Computer Engineering and Computer Science Cooperative Education III	1
CECS 504	Automata Theory	3
CECS 516	Fundamentals of Computer Communications and Networks	3
CECS 525	Microcomputer Design	4
CECS 535	Introduction to Databases	3
CECS 550	Software Engineering	3

CECS 596	CECS Capstone Design - CUE (CUE)	3
CECS Electives (see below) ⁵		9

Computer Science and Engineering Core

CECS 130	Introduction to Programming Languages	3
PHYS 295	Introductory Laboratories I - SL	1

Supporting Courses

ECE 210	Logic Design	3
ECE 211	Logic Design Laboratory	1
ECE 252	Introduction to Electrical Engineering	3
IE 360	Probability and Statistics for Engineers	3
IE 370	Engineering Economic Analysis	3
PHYS 296	Introductory Laboratories II - SL	1
PHYS 299	Introductory Electricity, Magnetism and Light	4

Minimum Total Hours		74
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Candidates for the Bachelor of Science degree must be in good standing (university GPA \geq 2.25) and must attain a grade point average of at least 2.25 for all courses used to satisfy degree requirements.

Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:		
CECS 596	CECS Capstone Design - CUE	

CECS Electives

Code	Title	Hours
CECS 522	Performance Evaluation of Computer Systems	3
CECS 542	Computer Control and Real Time Programming	3
CECS 545	Artificial Intelligence	3
CECS 564	Introduction to Cryptography	3
CECS 568	Computer Forensics	3

¹ To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

² This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.

³ Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.

⁴ Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing with the university (university GPA \geq 2.25).

⁵ The CECS Electives must be chosen from the approved list (above) or with departmental consent for additional CECS 5XX or 6XX courses.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Persepective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		16
Spring		
CECS 130	Introduction to Programming Languages	3
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		17
Summer		
CECS 220	Object Oriented Program Design with Java	3
ENGR 201	Engineering Analysis III	4
PHYS 296	Introductory Laboratories II - SL	1
PHYS 299	Introductory Electricity, Magnetism and Light	4
Hours		12
Year 2		
Fall		
CECS 288	Computer Engineering and Computer Science Cooperative Education Seminar	0
CECS 302	Data Structures	3
ECE 210	Logic Design	3
ECE 211	Logic Design Laboratory	1
ECE 252	Introduction to Electrical Engineering	3
ENGR 205	Differential Equations for Engineering	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Persepective - AH, SB, or SBH		3
Hours		15
Spring		
CECS 289	Computer Engineering and Computer Science Cooperative Education I	1
Hours		1
Summer		
CECS 310	Discrete Structures	3
COMM 111	Introduction to Public Speaking - OC	3
or COMM 112	or Business and Professional Speaking - OC	
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Persepective - AH, SB, or SBH		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Persepective - AH, SB, or SBH		3
Hours		12
Year 3		
Fall		
CECS 389	Computer Engineering and Computer Science Cooperative Education II	1
Hours		1
Spring		
CECS 311	Ethics, Social, and Legal Aspects on the Electronic Frontier	3

CECS 412	Introduction to Embedded Systems	3
or ECE 412	or Introduction to Embedded Systems	
CECS 419	Introduction to Algorithms	3
ENGR 330	Linear Algebra for Engineering	2
IE 360	Probability and Statistics for Engineers	3
IE 370	Engineering Economic Analysis	3
Hours		17
Summer		
CECS 489	Computer Engineering and Computer Science Cooperative Education III	1
Hours		1
Year 4		
Fall		
CECS 420	Design of Operating Systems	3
CECS 504	Automata Theory	3
CECS 525	Microcomputer Design	4
CECS 535	Introduction to Databases (CECS Elective)	3
CECS Elective		3
Hours		16
Spring		
CECS 516	Fundamentals of Computer Communications and Networks	3
CECS 550	Software Engineering	3
CECS 596	CECS Capstone Design - CUE	3
CECS Elective		3
CECS Elective		3
Hours		15
Minimum Total Hours		123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Criminal Justice (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Criminal Justice

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Criminal Justice (<http://louisville.edu/justice>)
Academic Plan Code(s): JA_ _BS, JA_ _BS_O

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Bachelor of Science in Criminal Justice program is designed to prepare students for a career in the criminal justice system or for further education through a graduate program. Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	54
	Free Electives to bring minimum total hours to 121	21-23
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BS-MS in Criminal Justice

The Accelerated BS-MS degree program in Criminal Justice is designed to allow an undergraduate student to earn graduate hours in Criminal Justice during Senior year. Students will be allowed to earn up to 9 hours that can be applied to both their undergraduate degree (BS) and their graduate degree (MS) in Criminal Justice.

These students may enroll in a combination of the following core courses from the MS program in Criminal Justice:

- CJ 621 The Criminal Justice System
- CJ 643 Theories of Crime and Delinquency
- CJ 649 Applied Statistics in Criminal Justice
- CJ 650 Research Methods

Students must apply during the first or second semester of their Junior year (usually when they have earned between 70-80 hours). Applicants must have at least a 3.0 GPA at the time of application.

Students in the Accelerated BS-MS program in Criminal Justice may only apply their graduate credits earned as an undergraduate at UofL toward the Master of Science in Criminal Justice degree program. The accelerated program is not available for completion by online-only students.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The application for major form can be found on the A&S Advising Center web site: louisville.edu/artsandsciences/advising/apply.

Accelerated BS-MS in Criminal Justice

Students apply during the first or second semester of their Junior year (usually when they have earned between 60-75 hours), and must have a 3.0 GPA at the time of application.

Applicants must submit the following to the Department of Criminal Justice:

- An application to the Accelerated MS CJ degree program, available in the Department of Criminal Justice, Brigman Hall 205 or online at: <http://louisville.edu/justice>
- Two (2) letters of recommendation from individuals who can speak to the applicant's academic capabilities
- An original essay identifying the applicant's background, professional interest and goals and the applicant's motivation and potential for graduate work

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
CJ 200	Crime and Justice in the United States - SB (or CJ 201 or CJ 202)	
CJ 326	Quantitative Analysis - QR	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		6-8
Electives in Humanities or Natural Sciences at 300 level or above ²		6
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Criminal Justice - Required Core Courses		
CJ 200	Crime and Justice in the United States - SB ⁴	
CJ 201	Law Enforcement in the United States - SB ⁴	
CJ 202	Corrections in the United States - SB ⁴	
CJ 305	Criminal Behavior	
CJ 306	Criminal Procedure	
CJ 325	Research Design	
CJ 326	Quantitative Analysis - QR ⁴	
CJ 360	Juvenile Justice	
CJ 395	Criminal Law and Evidence	
CJ 485	Seminar in Criminal Justice - CUE, WR ⁵	
Criminal Justice Electives (see approved list below) ⁶		24
Minimum Free Electives ⁷		21-23
Minimum Total Hours for Graduation		121

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
CJ 485	Seminar in Criminal Justice - CUE, WR ⁵	

Students must have a minimum of 50 hours at the 300 level or above.

Code	Title	Hours
Approved Criminal Justice Electives		
<i>A minimum 15 hours must be in Criminal Justice</i>		
CJ 300	Career Development and Cultural Intelligence - D1, SB	
CJ 301	Introduction to Computer Forensics and the Analysis of Digital Media	
CJ 335	Court Administration	
CJ 352	Sex Crimes	
CJ 354	Crime and the Media	
CJ 355	Criminalistics	
CJ 356	Crime Prevention	
CJ 358	Private Security Management	
CJ 365	Community Corrections	
CJ 366	Introduction to Internet and Network Investigations	
CJ 370	Police Administration	
CJ 375	Social and Restorative Justice	
CJ 390	Criminal Court Procedures	

CJ 400	Legal Issues in Corrections
CJ 403	Prisons and Jails in the United States
CJ 405	Crimes Against the Elderly
CJ 406	Crime Victims and Victimization
CJ 415	Substance Abuse, Crime and Criminal Justice
CJ 420	Computer Applications in Criminal Justice
CJ 421	Organized Crime
CJ 425	Profiling Violent Crimes
CJ 426	Violence in the United States: The Criminal Justice Response
CJ 430	Environmental Crime
CJ 435	Comparative Criminal Justice Systems - WR
CJ 440	Human Trafficking: Critical Thinking About Modern-Day Slavery
CJ 445	Computer and Electronic Crime
CJ 450	Internship
CJ 460	Correctional Treatment and Rehabilitation
CJ 471	Police Administration
CJ 473	Legal Issues in Police Administration
CJ 477	Organizational Behavior in Law Enforcement
CJ 493	Police and the Community
CJ 495	Independent Study/Directed Readings
CJ 496	Special Topics in Criminal Justice
CJ 497	Honors Seminar
CJ 498	Honors Seminar - WR
CJ 499	Honors Thesis - WR
CJ 500	Crime and Criminal Justice in the Cinema
CJ 505	International Terrorism
CJ 509	Crime Analysis
CJ 516	Juvenile Justice Issues
CJ 517	Gangs in America
CJ 519	Domestic and Family Violence
CJ 520	Capital Punishment - WR
CJ 521	White Collar Crime - WR
CJ 522	Serial & Mass Murder
CJ 523	Race and Gender Issues in Criminal Justice - WR
CJ 530	Intro to Homeland Security
CJ 531	Covert Operations in Policing
CJ 576	Managing Organizational Performance
CJ 578	Criminal Justice Leadership - WR
CJ 580	International Service Learning: Criminal Justice Seminar
CJ 596	Seminar in Criminal Justice
CJ 597	Ethics in Criminal Justice - WR

Approved Program Related Electives

Students may supplement the required 15 hours of CJ electives with 9 additional hours from the CJ list above or from the list below.

ANTH 309	Sex, Gender and Culture
ANTH 310	Race, Culture, Identity
ANTH 327	Fundamentals of Skeletal Forensics
ANTH 334	Conflict, Law, and Culture
ANTH 337	Nationalism, Violence, and the State
ANTH 340	Human Rights

ANTH 410	Skeletal Forensics
COMM 304	Argument In Everyday Life
COMM 311	Persuasion
COMM 312	Group Process
COMM 313	Organizational Communication
COMM 315	Introduction to Interpersonal Communication
COMM 320	Newswriting - WR
COMM 324	Communication and Gender
COMM 327	Mass Media Processes and Effects
COMM 432	Advanced Organizational Communication - WR
GEOG 327	Economic Geography
GEOG 328	Urban Geography
GEOG 331	Population Geography
GEOG 350	Introduction to Mapping and Geospatial Technologies
GEOG 356	Introduction to Spatial Statistics
GEOG 361	Sustainable Human Environments - WR
GEOG 367	Applications Development for GIS
Honors approved social science seminars	
PAS 313	Urban Ritual Violence
PAS 322	The History of the Civil Rights Movement, 1900 to Present
PAS 324	Politics, Political Violence and Black Resistance
PAS 325	Politics of Black Male Identity in Post-Modern America
PAS 326	Black Political Thought: Africa to Afrocentricity
PAS 327	Politics of the Black Community - D1, SB
PAS 338	Race and Economics
PAS 362	Civil Rights and the Law I
PAS 363	Civil Rights and the Law II
PAS 364	Racism and Sexism - D1, SB
PAS 374	The Black Power Movement
PARA 305	Family Law
PARA 310	Torts for Paralegals
PARA 320	Computers and the Law
PARA 325	Litigation
PARA 326	Criminal Litigation
PEAC 325	Peace, Justice & Conflict Transformation
PEAC 350	Mediation & Conflict Transformation
PEAC 525	Peace, Justice & Conflict Transformation
PEAC 550	Service Learning in Peacebuilding
POLS 302	Urban Political Economy
POLS 304	Comparative Urban Politics
POLS 305	Urban Politics
POLS 306	State Government
POLS 312	Constitutional Law
POLS 313	Constitutional Law
POLS 314	Judicial Politics
POLS 315	Race, Law and Politics - D1, SB
POLS 320	Civil Rights and the Law II
POLS 325	Public Administration
POLS 326	Public Policy
POLS 327	African-American Politics - D1, SB

POLS 332	International Law - WR
POLS 333	American Foreign Policy
POLS 337	Law, Diplomacy and Power
POLS 338	National and International Security: Issues and Policies
POLS 339	Terrorism
PSYC 306	Life Span Developmental Psychology
PSYC 308	Abnormal Psychology
PSYC 342	Drugs and Behavior
PSYC 366	Multicultural Psychology - WR
PSYC 372	Social Psychology
PSYC 375	Personality
PSYC 383	Forensic Psychology
PSYC 485	Stress and Trauma - CUE, WR
SOC 305	Urban Sociology
SOC 320	Social Theory - WR
SOC 323	Diversity and Inequality
SOC 329	Sociology of Families
SOC 334	Sociology of Deviant Behavior
SOC 464	Race and Ethnicity - CUE, WR
WGST 300	Sex, Gender, and Culture
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies
WGST 347	Racism and Sexism - D1, SB
WGST 513	U.S. Social Justice Movements

- 1 Completion of the second semester of a single foreign language; hours will vary depending on language taken
- 2 In addition to courses counted toward General Education
- 3 May be incorporated into other degree requirements
- 4 Fulfills General Education requirement.
- 5 Fulfills 3 hours of the 6 hour 300+ WR requirement.
- 6 Criminal Justice electives must be from approved departmental list at the 300 level or above. A minimum of 15 hours must be in Criminal Justice, but may not exceed 30 hours
- 7 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
CJ 200	Crime and Justice in the United States - SB	3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language (students who take 3 credits will require additional elective credits)		3-4
General Education: Cardinal Core U.S. Diversity - D1		3
Hours		16
Spring		
CJ 201	Law Enforcement in the United States - SB	3
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3

General Education: Cardinal Core Natural Sciences with Lab - S & SL or B	4
Foreign Language (students who take 3 credits will require additional elective credits)	3-4
Hours	16
Year 2	
Fall	
CJ 202 Corrections in the United States - SB	3
CJ 305 Criminal Behavior	3
General Education: Cardinal Core Arts & Humanities - AH	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
General Education: Cardinal Core Oral Communication - OC	3
Hours	15
Spring	
CJ 306 Criminal Procedure	3
CJ 325 Research Design	3
General Education: Cardinal Core Global Diversity - D2	3
General Free Elective	3
300+ Humanities or Natural Science Elective	3
Hours	15
Year 3	
Fall	
CJ 326 Quantitative Analysis - QR	3
CJ 360 Juvenile Justice	3
Criminal Justice Elective	3
300+ Humanities or Natural Science Elective	3
300+ WR Course	3
Hours	15
Spring	
CJ 395 Criminal Law and Evidence	3
Criminal Justice Elective	3
Criminal Justice Elective	3
Criminal Justice Elective	3
General Free Elective	3
Hours	15
Year 4	
Fall	
Criminal Justice Elective	3
Criminal Justice or Program Approved Elective	3
Criminal Justice or Program Approved Elective	3
General Free Elective	3
General Free Elective	3
Hours	15
Spring	
CJ 485 Seminar in Criminal Justice - CUE, WR (WR, CUE)	3
Criminal Justice or Program Approved Elective	3
General Free Elective	3
General Free Elective	3
General Free Elective (if needed)	2
Hours	14
Minimum Total Hours	121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Criminal Justice with a 3+3 Track to Law (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Criminal Justice with a 3+3 Track in Law

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Criminal Justice (<http://louisville.edu/justice>)
Academic Plan Code(s): JA _ _BS_3+3

Program Information

The College of Arts & Sciences and the Louis D. Brandeis School of Law have joined forces to create 3+3 Accelerated Law programs that allow eligible students in the College of Arts & Sciences to begin law school in their senior year of undergraduate study. Students substitute undergraduate major requirements with the first 30 hours of law school, earning an undergraduate degree after their first year of law school and a Juris Doctor (JD) degree two years later.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15

Program/Major Requirements ¹	54
Free Electives to bring minimum total to 121	21-23

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan, however a 3.5 GPA is recommended by the Brandeis School of Law (see below).

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Admission to Law School

Admission to the 3+3 track does not guarantee admission to the Brandeis School of Law. Students seeking admission to our law school must complete a law school application and satisfy all of Brandeis' admissions requirements, including its median GPA and LSAT expectations.

It is recommended that students planning to pursue this track have a minimum cumulative GPA of 3.5.

For more information on Brandeis and its admissions requirements, please contact Brandeis School of Law, Office of Admissions (<http://louisville.edu/law/admissions>). The office can also arrange for you to visit the law school and to sit in on a class.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

CJ 200	Crime and Justice in the United States - SB (or CJ 201 or CJ 202)
CJ 326	Quantitative Analysis - QR

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		
Electives in Humanities or Natural Sciences at 300 level or above ²		6

WR—two approved courses at the 300 level or above ³	
Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Criminal Justice		24
CJ 200	Crime and Justice in the United States - SB ⁴	
CJ 201	Law Enforcement in the United States - SB ⁴	
CJ 202	Corrections in the United States - SB ⁴	
CJ 305	Criminal Behavior	
CJ 325	Research Design	
CJ 326	Quantitative Analysis - QR ⁴	
CJ 360	Juvenile Justice	
CJ 485	Seminar in Criminal Justice - CUE, WR ⁵	
Criminal Justice electives (See approved list below) ⁶		12
Law School Courses		30
LAW 802	Torts I	
LAW 803	Torts II	
LAW 804	Contracts I	
LAW 805	Contracts II	
LAW 806	PROPERTY I	
LAW 807	PROPERTY II	
LAW 808	Civil Procedure I	
LAW 810	Criminal Law	
LAW 811	Lawyering Skills I	
LAW 812	Lawyering Skills II	
Electives		9-11
Minimum Total Hours for Graduation		121

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
CJ 485	Seminar in Criminal Justice - CUE, WR ⁵	

Code	Title	Hours
Approved Criminal Justice Electives		
CJ 300	Career Development and Cultural Intelligence - D1, SB	3
CJ 301	Introduction to Computer Forensics and the Analysis of Digital Media	3
CJ 335	Court Administration	3
CJ 352	Sex Crimes	3
CJ 354	Crime and the Media	3
CJ 355	Criminalistics	3
CJ 356	Crime Prevention	3
CJ 358	Private Security Management	3
CJ 365	Community Corrections	3
CJ 366	Introduction to Internet and Network Investigations	3
CJ 370	Police Administration	3
CJ 375	Social and Restorative Justice	3
CJ 390	Criminal Court Procedures	3
CJ 400	Legal Issues in Corrections	3

CJ 403	Prisons and Jails in the United States	3
CJ 405	Crimes Against the Elderly	3
CJ 406	Crime Victims and Victimization	3
CJ 415	Substance Abuse, Crime and Criminal Justice	3
CJ 420	Computer Applications in Criminal Justice	3
CJ 421	Organized Crime	3
CJ 425	Profiling Violent Crimes	3
CJ 426	Violence in the United States: The Criminal Justice Response	3
CJ 430	Environmental Crime	3
CJ 435	Comparative Criminal Justice Systems - WR ⁵	3
CJ 440	Human Trafficking: Critical Thinking About Modern-Day Slavery	3
CJ 445	Computer and Electronic Crime	3
CJ 450	Internship	3-6
CJ 460	Correctional Treatment and Rehabilitation	3
CJ 488	Senior Project / Practicum / Moot Court	3
CJ 493	Police and the Community	3
CJ 495	Independent Study/Directed Readings	1-6
CJ 496	Special Topics in Criminal Justice	3
CJ 497	Honors Seminar	3
CJ 498	Honors Seminar - WR	3
CJ 499	Honors Thesis - WR	3
CJ 500	Crime and Criminal Justice in the Cinema	3
CJ 505	International Terrorism	3
CJ 507	Crime Prevention Through Environmental Design	3
CJ 509	Crime Analysis	3
CJ 516	Juvenile Justice Issues	3
CJ 517	Gangs in America	3
CJ 519	Domestic and Family Violence	3
CJ 520	Capital Punishment - WR ⁵	3
CJ 521	White Collar Crime - WR ⁵	3
CJ 522	Serial & Mass Murder	3
CJ 523	Race and Gender Issues in Criminal Justice - WR ⁵	3
CJ 530	Intro to Homeland Security	3
CJ 531	Covert Operations in Policing	3
CJ 578	Criminal Justice Leadership - WR ⁵	3
CJ 580	International Service Learning: Criminal Justice Seminar	3
CJ 596	Seminar in Criminal Justice	3
CJ 597	Ethics in Criminal Justice - WR ⁵	3

- ¹ Completion of the second semester of a single foreign language; hours will vary depending on language taken
- ² In addition to courses counted toward General Education
- ³ May be incorporated into other degree requirements
- ⁴ Fulfills General Education requirement.
- ⁵ Fulfills WR requirement.
- ⁶ Criminal Justice electives must be from approved departmental list at the 300 level or above.

Students must have a minimum of 50 hours at the 300 level or above.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Science- S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Foreign Language 1 (students who take 3 credits will require additional elective credits)		3-4
CJ 200	Crime and Justice in the United States - SB	3
Hours		16-17
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences with Lab - S+SL or B		4
Foreign Language 2 (students who take 3 credits will require additional elective credits)		3-4
CJ 201	Law Enforcement in the United States - SB	3
Hours		16-17
Year 2		
Fall		
CJ 202	Corrections in the United States - SB	3
CJ 305	Criminal Behavior	3
General Education: Cardinal Core Oral Communication- OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Free Elective or General Education: Cardinal Core U.S. Diversity - D1 (if not completed with another Cardinal Core course)		3
Hours		15
Spring		
General Free Elective or General Education: Cardinal Core Global Diversity - D2 (if not completed with another Cardinal Core course)		3
Humanities or Natural Science Course (300 level or above)		3
CJ 325	Research Design	3
CJ 360	Juvenile Justice	3
General Free Elective		3
Hours		15
Year 3		
Fall		
CJ 326	Quantitative Analysis - QR	3
Criminal Justice Elective (300 level or above)		3
Criminal Justice Elective (300 level or above)		3
WR Course (300 level or above)		3
General Free Elective		3
Hours		15
Spring		
CJ 485	Seminar in Criminal Justice - CUE, WR (WR, CUE)	3
Humanities or Natural Science Course (300 level or above)		3
Criminal Justice Elective (300 level or above)		3
Criminal Justice Elective (300 level or above)		3
General Elective (range based on language courses in Year 1)		0-2
Hours		14-12
Year 4		
Fall		
LAW 802	Torts I	3
LAW 804	Contracts I	3
LAW 806	PROPERTY I	3
LAW 810	Criminal Law	3
LAW 811	Lawyering Skills I	3
Hours		15

Spring		
LAW 803	Torts II	3
LAW 805	Contracts II	3
LAW 807	PROPERTY II	3
LAW 808	Civil Procedure I	3
LAW 812	Lawyering Skills II	3
Hours		15
Minimum Total Hours		121

Dental Hygiene (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Dental Hygiene

Unit: School of Dentistry (SD) (<http://www.dental.louisville.edu>)
Program: Dental Hygiene (<http://louisville.edu/dentistry/degrees/hygiene>)

Academic Plan Code(s): DHU_BS

Program Information

The Bachelor of Science in Dental Hygiene program is a four-year program with a Lower and Upper Division. Students complete the lower division requirements on the Belknap campus and then apply for competitive admission to the Dental Hygiene Upper Division which is housed in the School of Dentistry on the Health Sciences Center Campus.

Because the program is housed within a school of dentistry, hygiene students learn their skills in a context that emphasizes their important place in the dental health team.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(13 hours of General Education requirements may be satisfied through coursework required by the degree program)		
	Lower Division Pre-Professional Curriculum ¹	36
	Upper Division Professional Curriculum	66
Minimum Total Hours		120

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree in the **minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission into the Dental Hygiene program is a tiered process: Lower and Upper Division. Students apply to the Lower Division to complete general education and program pre-requisite courses on the Belknap Campus. Students apply to the Upper Division to complete the professional component of the Bachelor of Science Dental Hygiene Degree Program on the HSC Campus.

Admission to the Lower Division does not guarantee admission to the Upper Division. Admission to the Upper Division is competitive.

Please refer to catalog pages containing admissions details for the Dental Hygiene program (p. 25). (p. 25)

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and should be taken to fulfill the respective General Education Requirement:

CHEM 101	Introduction to Chemistry - S ¹	
	or CHEM 105 Chemistry for Health Professionals - S	
BIOL 102	Biology: Current Issues and Applications - S ¹	
BIOL 104	Laboratory for Biology: Current Issues and Applications - SL ¹	
MATH 105	Quantitative Reasoning - QR	
	or MATH 111 College Algebra - QR	
PSYC 201	Introduction to Psychology - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Dental Hygiene Lower Division Curriculum

Code	Title	Hours
CHEM 101	Introduction to Chemistry - S	3
	or CHEM 105 Chemistry for Health Professionals - S	
BIOL 102	Biology: Current Issues and Applications - S	3
BIOL 104	Laboratory for Biology: Current Issues and Applications - SL	1
MATH 105	Quantitative Reasoning - QR	3
	or MATH 111 College Algebra - QR	
PSYC 201	Introduction to Psychology - SB	3

DHED 101	Dental Hygiene Academic Orientation	1
BIOL 257	Introduction to Microbiology - S ¹	3
BIOL 260	Human Anatomy & Physiology I ¹	3
BIOL 261	Human Anatomy & Physiology II ¹	3
BIOL 262	Human Anatomy & Physiology Lab ¹	1
HSS 303	Human Nutrition ¹	3
Select one of the following Statistics courses:		3
MATH 109	Elementary Statistics - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
Select one of the following Sociology courses:		3
SOC 201	Introduction to Sociology - SB	
SOC 202	Social Problems - D1, SB	
SOC 203	Introduction to Social Psychology - SB	
SOC 210	Race in the United States - D1, SB	
Elective(s) ²		3
Minimum Total Hours		36

Program/Major Requirements

Dental Hygiene Upper Division Curriculum

Course	Title	Hours
Year 3		
Fall		
DHED 301	Dental Hygiene Theory I	3
DHED 302	Dental Hygiene Principles of Practice I	2
DHED 303	Dental Anatomy	2
DHED 304	Radiography	2
DHED 305	Structural Biology of Head and Neck	3
DHED 307	Physical Diagnosis and Medical Management	3
Hours		15
Spring		
DHED 308	Pre-Clinical Radiography	1
DHED 309	General and Oral Pathology	3
DHED 310	Periodontology	3
DHED 311	Dental Materials	3
DHED 312	Oral Health Education	2
DHED 313	Dental Hygiene Theory II	3
DHED 314	Dental Hygiene Principles of Practice II	3
Hours		18
Summer		
DHED 315	Pain and Anxiety Control	3
DHED 316	Community Dental Health I	2
Hours		5
Year 4		
Fall		
DHED 402	Pharmacology	3
DHED 404	Special Needs Patients	2
DHED 405	Advanced Periodontology I	1
DHED 406	Community Dental Health II	2
DHED 407	Advanced Technology and Patient Care Procedures I	2
DHED 408	Dental Hygiene Principles of Practice III	4
DHED 409	Clinical Radiography I	1
DHED 403	Evidenced Based Practice	1
Hours		16
Spring		
DHED 410	Advanced Radiology	1
DHED 411	Clinical Radiography II	1

DHED 412	Dental Hygiene Principles of Practice IV	4
DHED 413	Advanced Periodontology II	1
DHED 414	Advanced Technology and Patient Care Procedures II	1
DHED 415	Dental Hygiene Ethics and Practice Mangement	2
DHED 417	Dental Hygiene Extramural Education - CUE	2
Hours		12
Minimum Total Hours		66

Students must earn a letter grade of C or better in all Dental Hygiene Upper Division Clinical and Science courses.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
DHED 417	Dental Hygiene Extramural Education - CUE	

- Students must make a C or above in these courses and must have completed them within 10 years of applying for Upper Division admission. To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the listed electives).
- Ethics course recommended.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
DHED 101	Dental Hygiene Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
BIOL 102	Biology: Current Issues and Applications - S	3
BIOL 104	Laboratory for Biology: Current Issues and Applications - SL	1
CHEM 101	Introduction to Chemistry - S	3-4
or CHEM 105	or Chemistry for Health Professionals - S	
MATH 105	Quantitative Reasoning - QR	3
or MATH 111	or College Algebra - QR	
Hours		14-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
BIOL 257	Introduction to Microbiology - S	3
PSYC 201	Introduction to Psychology - SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Year 2		
Fall		
BIOL 260	Human Anatomy & Physiology I	3
MATH 109	Elementary Statistics - QR (QR requirement must be previously satisfied to select PSYC 301 or SOC 301)	3
or PSYC 301	or Statistics for Psychology	
or SOC 301	or Introduction to Social Statistics	
HSS 303	Human Nutrition	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		12
Spring		
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1

SOC 202 or SOC 210 or SOC 201 or SOC 203	Social Problems - D1, SB or Race in the United States - D1, SB or Introduction to Sociology - SB or Introduction to Social Psychology - SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
Elective(s), Ethics course recommended		3
Hours		13
Year 3		
Fall		
DHED 301	Dental Hygiene Theory I	3
DHED 302	Dental Hygiene Principles of Practice I	2
DHED 303	Dental Anatomy	2
DHED 304	Radiography	2
DHED 305	Structural Biology of Head and Neck	3
DHED 307	Physical Diagnosis and Medical Management	3
Hours		15
Spring		
DHED 308	Pre-Clinical Radiography	1
DHED 309	General and Oral Pathology	3
DHED 310	Periodontology	3
DHED 311	Dental Materials	3
DHED 312	Oral Health Education	2
DHED 313	Dental Hygiene Theory II	3
DHED 314	Dental Hygiene Principles of Practice II	3
Hours		18
Summer		
DHED 315	Pain and Anxiety Control	3
DHED 316	Community Dental Health I	2
Hours		5
Year 4		
Fall		
DHED 402	Pharmacology	3
DHED 404	Special Needs Patients	2
DHED 405	Advanced Periodontology I	1
DHED 406	Community Dental Health II	2
DHED 407	Advanced Technology and Patient Care Procedures I	2
DHED 408	Dental Hygiene Principles of Practice III	4
DHED 409	Clinical Radiography I	1
DHED 403	Evidenced Based Practice	1
Hours		16
Spring		
DHED 410	Advanced Radiology	1
DHED 411	Clinical Radiography II	1
DHED 412	Dental Hygiene Principles of Practice IV	4
DHED 413	Advanced Periodontology II	1
DHED 414	Advanced Technology and Patient Care Procedures II	1
DHED 415	Dental Hygiene Ethics and Practice Mangement	2
DHED 417	Dental Hygiene Extramural Education - CUE	2
Hours		12
Minimum Total Hours		120-121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.

3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Early Elementary Education (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Early Elementary Education

Unit: College of Education and Human Development (ED) (<http://www.louisville.edu/edu>)

Department: Early Childhood and Elementary Education (ECEE) (<http://louisville.edu/education/departments/ecee>)

Academic Plan Code(s): See Track Requirements tab

Program Information

The BS in Early Elementary Education is designed to fulfill the requirements for Kentucky certification grades P-5, which includes Kindergarten. Early Elementary Education teachers are responsible for teaching a variety of subjects. Teacher education candidates must be able to demonstrate proficiency in the general areas of English, Mathematics, Science, and Social Sciences as well as the Arts and Humanities.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements ¹		25
Program/Major Requirements ¹		42
Track Requirements ¹		33-40
Minimum Total Hours		125

¹ Some courses required in this degree program may satisfy multiple requirements. To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the Bachelor of Science in Early Elementary Education program requires the following:

- A minimum of 45 semester hours with a 2.75 or higher overall GPA
- B-minus or better in all EDTP and EDSP courses
- C or better in MATH 151 and MATH 152.
- Minimum test scores as required by the Education Professional Standards Board
- C or better in ENGL 102 (or equivalent) and in Oral Communication course
- Completion of Pre-Professional Courses
- Any other requirements as outlined in Application.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31

The following courses are required by the program and should be taken to fulfill the respective General Education Requirement:

EDTP 201	The Teaching Profession - SB
EDTP 245	Children's Literature - AH, D1

Please see the Track Requirements tab to determine additional courses that will satisfy both a major and General Education requirement. These courses should be taken to fulfill the respective General Education requirement.

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

The following are not degree requirements, but are required for teacher certification purposes. They are recommended by the program to fulfill General Education Requirements:

- Biology course and lab (S, SL)
- Physical Science course (S)

HIST 211 or HIST 212 are recommended by the program to fulfill the Social & Behavioral Historical Perspective General Education requirement.

College/School Requirements

Code	Title	Hours
Pre-Professional Courses		
EDTP 101	Academic Orientation	1

EDTP 107	Human Development and Learning	3
EDTP 201	The Teaching Profession - SB ¹	3
EDTP 245	Children's Literature - AH, D1 ¹	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
EDSP 260	Classroom Behavior Management	3
MATH 151	Mathematics for Elementary Education I	3
MATH 152	Mathematics for Elementary Education II	3
Minimum Total Hours		25

Mid-Point Assessment Prior to Elementary and Special Education Student Teaching

Satisfactory dispositions assessment; Completion of all EDTP and EDSP courses with no grade lower than B-; "Pass" in all clinical field work (EDTP 312, EDTP 314, EDTP 323, EDTP 326, EDTP 330, EDSP 346); Satisfactory mid-point work sample; Positive recommendation from Elementary and Special Education Program Committees. Completed electronic documentation of 200 hours of diverse and approved field experiences.

Program/Major Requirements

Code	Title	Hours
Core Professional Courses ²		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 355	Assessment and Research ³	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Track Requirements		33-40
Minimum Total Hours		75-82

Degree Assessment

B-minus or better in student teaching and capstone courses; 2.75 overall GPA; all program courses with 3.0 cumulative GPA; satisfactory work sample.

Certification Assessment

Satisfactory Dispositions Assessment; passing scores on required PRAXIS exams.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
EDTP 477	Capstone Student Teaching Seminar - CUE	
¹	To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the listed electives).	
²	Restricted to students admitted to teacher education	
³	Students in the dual-certification in Early Elementary/Interdisciplinary Early Childhood Education track (EREDBSRECE) may substitute another faculty-approved course for EDTP 355.	

Track Requirements

Track in English

Academic Plan Code(s): EREDBSRENG

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>English Courses</i>		
ENGL 202	Introduction to Creative Writing - AH	3
ENGL 301	British Literature I	3
or ENGL 302	British Literature II	
Select one of the following:		3
ENGL 303	Scientific and Technical Writing - WR	
ENGL 306	Business Writing - WR	
ENGL 309	Inquiries in Writing - WR	
ENGL 310	Writing About Literature for Non-Majors - WR	
ENGL 311	American Literature I	3
or ENGL 312	American Literature II	
PAS 340	African-American Literature - AH, D1 ¹	3
or ENGL 373	Women and Global Literature - AH, D2	
Select one of the following:		3
ENGL 522	Structure of Modern English	
ENGL 325	Introduction to Linguistics	
EDTP 522	Methods of Teaching Grammar, K-12	
EDTP 540	Teaching Adolescent Readers	3
ENGL 506	Teaching of Writing - CUE, WR	3
Elective		3
Minimum Total Hours		36

¹ Completes 3 hours of AHD1 or AHD2 Gen Ed requirements

Middle Grades Certification Extension requires a 2.5 GPA in English content courses and successful completion of EDTP 607 and EDTP 620,

middle grades field experience, and passing scores on the PRAXIS Middle Grades Language Arts exam.

Track in French

Academic Plan Code(s): EREDBSRFRE

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>French Courses</i>		
FREN 320	French Skills Overview	3
FREN 321	French Conversation	3
FREN 322	Written Expression - WR	3
FREN 331	French Civilization	3
FREN 332	France Today	3
FREN 455	Reading in French	3
FREN 523	Advanced Communication Skills	3
FREN Elective		3
Minimum Total Hours		33

P-12 Certification Extension requires a 2.50 GPA in French content courses and successful completion of EDTP 629 and EDTP 620, field experience, and passing scores on the required PRAXIS French examination.

Track in Individualized Studies

Academic Plan Code(s): EREDBSRINS

Code	Title	Hours
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
Individualized Studies Courses ¹		27
Students must develop a 27-hour curriculum plan in cooperation with their advisors.		
Minimum Total Hours		33

¹ For information on how to develop an Individualized Studies curriculum plan, please go to <http://louisville.edu/education/degrees/bs-eee-is>.

Track in Learning and Behavior Disorders (Certification grades P-12)

Academic Plan Code(s): EREDBSRELB

Code	Title	Hours
<i>Student Teaching Requirement</i>		
EDSP 470	Student Teaching, LBD	6
<i>Learning & Behavioral Disorder Courses</i>		
EDSP 218	Technology for Students with Disabilities	3
EDSP 240	Introduction to Exceptional Children	3
EDSP 422	Transition Programs and Services for Children and Youth with Disabilities	3
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 451	Learning and Behavior Disorders Practicum II	3

EDSP 510	Legal Issues in Special Education	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDSP 518	Teaching Reading Special Education P-12	3
Minimum Total Hours		33

Track in Mathematics

Academic Plan Code(s): EREDBSRMAT

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teacher Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>Math Courses</i>		
MATH 107	Finite Mathematics (or Approved Substitute)	3
MATH 109	Elementary Statistics - QR ²	3
MATH 190	Precalculus - QR ^{1,2}	4
MATH 205	Calculus I - QR ²	4-3
or MATH 180	Elements of Calculus - QR	
MATH 350	Geometric Investigations ³	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
MATH or EDTP Elective in Mathematics Technology		3
Elective		4
Minimum Total Hours		36

¹ MATH 111 with MATH 112 may be substituted

² Completes 3-4 hours of QR Gen Ed requirements.

³ Students who have credit for MATH 180, instead of MATH 205 must also have credit for MATH 112 or MATH 190, in order to meet the pre-requisites for MATH 350.

Middle Grades Certification Extension requires a 2.50 GPA in Mathematics content courses and successful completion of EDTP 608 and EDTP 620, middle grades field experience, and passing scores on the required PRAXIS Middle Grades Mathematics examination.

Track in Moderate and Severe Disabilities (Certification grades P-12)

Academic Plan Code(s): EREDBSRMSD

Code	Title	Hours
<i>Student Teaching Requirement</i>		
EDSP 471	Student Teaching, MSD	6
<i>Moderate/Severe Disabilities Courses</i>		
EDSP 218	Technology for Students with Disabilities	3
EDSP 240	Introduction to Exceptional Children	3
EDSP 422	Transition Programs and Services for Children and Youth with Disabilities	3
EDSP 440	Moderate/Severe Disabilities Curriculum and Methods II	3

EDSP 443	Instructional Methods for Students with Moderate/ Severe Disabilities	3
EDSP 444	Moderate/Severe Disabilities Practicum	3
EDSP 450	Moderate and Severe Disabilities Practicum II	3
EDSP 520	Assessment of Students with Moderate/Severe Disabilities	3
EDSP 546	Behavior Analytic Approach to Communication	3
Minimum Total Hours		33

Track in Science

Academic Plan Code(s): EREDBSRSCI

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>Science Courses</i>		
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
BIOL 363	Principles of Ecology	3
CHEM 201	General Chemistry I - S ¹	3
CHEM 202	General Chemistry II - S	3
PHYS 111	Elements of Physics - B ²	4
Select two of the following:		
PHYS 107	Elementary Astronomy - S	6
GEOS 200	The Global Environment - S (strongly recommended)	
GEOS 220	Contemporary Issues in Meteorology - S	
Electives ³		4
Minimum Total Hours		40

¹ Completes 3 hours of Gen Ed S requirement

² Completes 4 hours of Gen Ed S and SL requirements

³ CHEM 207 and CHEM 208 are strongly recommended

(Please contact an advisor for the College of Education and Human Development for a list of additional approved science courses which may be substituted for the courses listed above.)

Middle Grades Certification Extension requires a 2.50 GPA in Science content courses and successful completion of EDTP 609 and EDTP 620, middle grades field experience, and passing scores on the required PRAXIS Middle Grades Science examination.

Track in Social Studies

Academic Plan Code(s): EREDBSRSSST

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>Social Studies Courses</i>		
HIST 101	History of Civilizations I - D2, SBH ¹	3

HIST 102	History of Civilizations II - D2, SBH ¹	3
HIST 211	American History I - D1, SBH ¹	3
HIST 212	American History II - D1, SBH ¹	3
GEOG 200	Human Geography in a Changing World - D2, SB ²	3
POLS 201	Introduction to American Government and Politics - SB ²	3
or POLS 202	Introduction to Comparative Politics - D2, SB	
ECON 201	Principles of Microeconomics - SB ²	3
SOC 201	Introduction to Sociology - SB ²	3
or SOC 202	Social Problems - D1, SB	
ANTH 201	Introduction to Cultural Anthropology - D2, SB ²	3
Elective		3
Minimum Total Hours		39

¹ Completes 3 hours of SBHD1 or SBHD2 Gen Ed requirement.

² Completes 3 hours of SB Gen Ed requirement.

Middle Grades Certification Extension requires a 2.50 GPA in Social Studies content courses and successful completion of EDTP 610 and EDTP 620, middle grades field experience, and passing scores on the required PRAXIS Middle Grades Social Studies examination.

Track in Spanish

Academic Plan Code(s): EREDBSRSPA

Code	Title	Hours
EDTP 341	Teaching Middle School	3
<i>Student Teaching Requirement</i>		
EDTP 452	Student Teaching II: Elementary Education	6
<i>Spanish Courses</i>		
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 305	Spanish Grammar in Context	3
SPAN 310	Readings and Writing in Spanish I	3
SPAN 311	Cultural Readings and Writing in Spanish II	3
SPAN 321	Communication and Conversation in Spanish	3
SPAN 524	Introduction to Hispanic Linguistics	3
Select one of the following:		3
SPAN 401	Foundations of Spanish Civilization	
SPAN 402	Cultural and Literary Perspectives on Modern Spain	
SPAN 403	Foundations of Latin American Nations and Identities	
SPAN 404	Cultural and Literary Perspectives on Modern Latin America	
Minimum Total Hours		33

P-12 Certification Extension requires a 2.50 GPA in Spanish content courses and successful completion of EDTP 629 and EDTP 620, field experience, and passing scores on the required PRAXIS Spanish examination.

Track in Early Childhood Education

Academic Plan Code(s): EREDBSRECE

Code	Title	Hours
<i>Student Teaching Requirement</i>		
EDTP 451	Student Teaching in Interdisciplinary Early Childhood Education	6
<i>Early Childhood Education Courses</i>		
EDSP 515	Communication and Socialization in Early Childhood	3
EDSP 533	Early Childhood Special Education Methods	3
EDSP 534	ECSE Methods Field Experience	1
EDSP 583	Early Childhood Special Education Assessment	3
EDSP 584	Families and Collaboration in Interdisciplinary Early Childhood Education	3
EDSP 585	Families and Collaboration in IECE: Field Experience	1
EDTP 300	Creativity and the Young Child	3
EDTP 436	Theories of Play	3
EDTP 437	Infant/Toddler Development and Care	3
EDTP 532	Interdisciplinary Early Childhood Education Curriculum	3
EDTP 542	Interdisciplinary Early Childhood Education Curriculum Field Experience	1
Minimum Total Hours		33

Flight Plan

Track in English

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Elective		3
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
ENGL 202	Introduction to Creative Writing - AH	3
ENGL 311	American Literature I	3
or ENGL 312	or American Literature II	
MATH 152	Mathematics for Elementary Education II	3
Hours		15
Spring		
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3

ENGL 301	British Literature I	3
or ENGL 302	or British Literature II	
Select one of the following:		3
ENGL 303	Scientific and Technical Writing - WR	
ENGL 306	Business Writing - WR	
ENGL 309	Inquiries in Writing - WR	
ENGL 310	Writing About Literature for Non-Majors - WR	
Hours		15
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
EDTP 540	Teaching Adolescent Readers	3
ENGL 373	Women and Global Literature - AH, D2	3
or PAS 340	or African-American Literature - AH, D1	
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
ENGL 506	Teaching of Writing - CUE, WR	3
Select one of the following:		3
ENGL 325	Introduction to Linguistics	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in French

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
FREN 320	French Skills Overview	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
FREN 322	Written Expression - WR	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
FREN 321	French Conversation	3
MATH 152	Mathematics for Elementary Education II	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Spring		
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
French Elective		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
FREN 331	French Civilization	3
FREN 455	Reading in French	3
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
FREN 332	France Today	3
EDTP 355	Assessment and Research	3
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
FREN 523	Advanced Communication Skills	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Learning and Behavior Disorders (Certification Grades P-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		13
Spring		
EDSP 240	Introduction to Exceptional Children	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
EDSP 260	Classroom Behavior Management	3
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
MATH 152	Mathematics for Elementary Education II	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Spring		
EDSP 218	Technology for Students with Disabilities	3
EDSP 422	Transition Programs and Services for Children and Youth with Disabilities	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Year 3		
Fall		
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
Hours		16
Spring		
EDSP 451	Learning and Behavior Disorders Practicum II	3
EDSP 510	Legal Issues in Special Education	3
EDSP 518	Teaching Reading Special Education P-12	3
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
Hours		17
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1

EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDSP 470	Student Teaching, LBD	6
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Mathematics

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 190	Precalculus - QR	4
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
MATH 205	Calculus I - QR	4
or MATH 180 or Elements of Calculus - QR		
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
MATH 152	Mathematics for Elementary Education II	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
General Elective		1
Hours		16
Spring		
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
MATH 107	Finite Mathematics (or Approved Substitute)	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
MATH or EDTP Math Technology Elective		3
MATH 350	Geometric Investigations	3
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3

EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
MATH 109	Elementary Statistics - QR	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Moderate and Severe Disabilities (Certification Grades P-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		13
Spring		
EDSP 240	Introduction to Exceptional Children	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Year 2		
Fall		
EDSP 260	Classroom Behavior Management	3
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
MATH 152	Mathematics for Elementary Education II	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Spring		
EDSP 218	Technology for Students with Disabilities	3
EDSP 422	Transition Programs and Services for Children and Youth with Disabilities	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15

Year 3

Fall		
EDSP 443	Instructional Methods for Students with Moderate/Severe Disabilities	3
EDSP 444	Moderate/Severe Disabilities Practicum	3
EDSP 520	Assessment of Students with Moderate/Severe Disabilities	3
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
Hours		16
Spring		
EDSP 440	Moderate/Severe Disabilities Curriculum and Methods II	3
EDSP 450	Moderate and Severe Disabilities Practicum II	3
EDSP 546	Behavior Analytic Approach to Communication	3
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
Hours		17
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDSP 471	Student Teaching, MSD	6
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Science

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
GEOS 200	The Global Environment - S	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
BIOL 240	Unity of Life - S	3
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
PHYS 111	Elements of Physics - B	4
Hours		16
Year 2		
Fall		
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2

EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
MATH 152	Mathematics for Elementary Education II	3
Hours		14
Spring		
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
CHEM 201	General Chemistry I - S	3
General Elective(s) (CHEM 207 & 208 recommended)		2
General Elective		2
Hours		16
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
CHEM 202	General Chemistry II - S	3
PHYS 107	Elementary Astronomy - S	3
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
EDTP 322	Social Studies Methods	3
BIOL 363	Principles of Ecology	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Social Studies

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
HIST 102	History of Civilizations II - D2, SBH	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
EDTP 399	Music, Art, and Motion in P-5	3
HIST 211	American History I - D1, SBH	3
MATH 152	Mathematics for Elementary Education II	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Spring		
ECON 201	Principles of Microeconomics - SB	3
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 245	Children's Literature - AH, D1	3
HIST 212	American History II - D1, SBH	3
Hours		15
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
ANTH 201	Introduction to Cultural Anthropology - D2, SB	3
SOC 201	Introduction to Sociology - SB	3
or SOC 202	or Social Problems - D1, SB	
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
GEOG 200	Human Geography in a Changing World - D2, SB	3
POLS 201	Introduction to American Government and Politics - SB	3
or POLS 202	or Introduction to Comparative Politics - D2, SB	
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Spanish

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SPAN 201	Intermediate Spanish I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
SPAN 202	Intermediate Spanish II	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
MATH 152	Mathematics for Elementary Education II	3
SPAN 305	Spanish Grammar in Context	3
SPAN 310	Readings and Writing in Spanish I	3
Hours		15
Spring		
EDSP 260	Classroom Behavior Management	3
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
SPAN 311	Cultural Readings and Writing in Spanish II	3
SPAN 321	Communication and Conversation in Spanish	3
Hours		15
Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
Select one of the following:		3
SPAN 401	Foundations of Spanish Civilization	
SPAN 402	Cultural and Literary Perspectives on Modern Spain	
SPAN 403	Foundations of Latin American Nations and Identities	
SPAN 404	Cultural and Literary Perspectives on Modern Latin America	
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
SPAN 524	Introduction to Hispanic Linguistics	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		14
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1

EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Early Childhood Education

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		13
Spring		
EDTP 300	Creativity and the Young Child	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
EDSP 260	Classroom Behavior Management	3
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
EDTP 437	Infant/Toddler Development and Care	3
MATH 152	Mathematics for Elementary Education II	3
Hours		15
Spring		
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3
EDTP 436	Theories of Play	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Year 3		
Fall		
EDSP 515	Communication and Socialization in Early Childhood	3
EDSP 583	Early Childhood Special Education Assessment	3
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 532	Interdisciplinary Early Childhood Education Curriculum	3
EDTP 542	Interdisciplinary Early Childhood Education Curriculum Field Experience	1
Hours		17

Spring		
EDSP 533	Early Childhood Special Education Methods	3
EDSP 534	ECSE Methods Field Experience	1
EDSP 584	Families and Collaboration in Interdisciplinary Early Childhood Education	3
EDSP 585	Families and Collaboration in IECE: Field Experience	1
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
Hours		16
Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Hours		18
Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 451	Student Teaching in Interdisciplinary Early Childhood Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Track in Individualized Studies

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		13
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 151	Mathematics for Elementary Education I	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Year 2		
Fall		
MATH 152	Mathematics for Elementary Education II	3
EDTP 107	Human Development and Learning	3
EDTP 245	Children's Literature - AH, D1	3
EDSP 260	Classroom Behavior Management	3
Elective as approved by advisor		3
Hours		15
Spring		
EDTP 215	Foundations of Instruction	3
EDTP 399	Music, Art, and Motion in P-5	3

General Education: Cardinal Core Natural Sciences - S	3	
Elective as approved by advisor	3	
Elective as approved by advisor	3	
Hours		15

Year 3		
Fall		
EDTP 311	Introduction to Reading/Language Arts P-5	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Elective as approved by advisor		3
Elective as approved by advisor		3
Hours		16

Spring		
EDTP 312	Elementary Language Arts Methods Field Experience	1
EDTP 320	Methods for Teaching Reading/Language Arts, P-5	3
EDTP 322	Social Studies Methods	3
EDTP 323	Elementary Social Studies Methods Field Experience	1
EDTP 355	Assessment and Research	3
Elective as approved by advisor		3
Elective as approved by advisor		3
Hours		17

Year 4		
Fall		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 313	Math Methods	3
EDTP 314	Elementary Mathematics Methods Field Experience	1
EDTP 324	Science Methods P-5	3
EDTP 326	Elementary Science Methods Field Experience	1
Elective as approved by advisor		3
Elective as approved by advisor		3
Hours		18

Spring		
EDTP 450	Student Teaching I: Elementary Education	6
EDTP 452	Student Teaching II: Elementary Education	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Minimum Total Hours		125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Economics (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Economics

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Department: Economics (<http://business.louisville.edu/economics>)
Academic Plan Code(s): EC_ _BA

Program Information

The Department of Economics provides a thorough education in economics to UofL undergraduate students with majors and minors in the department as well as students from other academic programs. A primary departmental objective is promoting the understanding of the economy through economic analysis of industry, non-profit institutions, and government at the micro- and macroeconomic levels. Students develop comprehension, reasoning, and quantitative skills through their study of domestic and global economic issues.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	6 hours of General Education requirements may be satisfied through coursework required by the degree program	
	College/School Requirements ^{1,2}	53
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the indicated electives). See the Degree Requirements tab for specific coursework.

² College/School Requirements total includes 6 hours of required courses that also satisfy General Education hours requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the College of Business (p. 23) ensures admission to the BA in Economics.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following program requirements satisfy General Education requirements and are included in the total hours listed below

MATH 180	Elements of Calculus - QR or MATH 205 Calculus I - QR	
POLS 202	Introduction to Comparative Politics - D2, SB or ECON 202 Principles of Macroeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
College of Business Requirements		
CAMP 100	Campus Culture/Business Students	1
MATH 205	Calculus I - QR ^{2,3}	3-4
	or MATH 180 Elements of Calculus - QR	
ECON 201	Principles of Microeconomics - SB	6
& ECON 202	Principles of Macroeconomics - SB ⁴	6
POLS 201	Introduction to American Government and Politics	6
& POLS 202	- SB Introduction to Comparative Politics - D2, SB ⁴	6
BUS 201	Career Development	1
BSTA 301	Business Statistics ⁵	3
	Foreign Language ⁶	12
	Humanities or Natural Science (6 hours - 300+ Level)	9
	Social Sciences (6 hours - 300+ Level)	12
	Minimum Total Hours	53

Total of 53 includes 3 credit hours of POLS (or ECON) and 3 credit hours of MATH that are also counted in the 31 General Education hours above. See notes.

Program/Major Requirements

Code	Title	Hours
Economics Breadth		
ECON 301	Intermediate Microeconomics	3
ECON 302	Intermediate Macroeconomics	3
ECON 475	Senior Economics Seminar - CUE	3
	Electives in Economics	15

General Electives (6-18 hours - 300+ Level) ⁷	18
Minimum Total Hours	42

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

All prerequisites must be followed.

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:	
ECON 475	Senior Economics Seminar - CUE

- ¹ College/School Requirements satisfy 6 hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences).
- ² MATH 205 or MATH 180 must be taken as a required math course for all Economic majors. Their prerequisite(s) may be used as General Electives.
- ³ Also completes the Quantitative Reasoning General Education requirement. Student who take MATH 205 to satisfy the program Math requirement will reduce the number of general electives required to reach the minimum number of hours for the degree by one (1).
- ⁴ POLS 202 completes 3 hours of General Education Social & Behavioral Sciences and satisfies the Global Diversity (D2) requirement.
- ⁵ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- ⁶ Completion of the intermediate level of a single foreign language.
- ⁷ To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the listed electives).

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CAMP 100	Campus Culture/Business Students	1
ECON 201	Principles of Microeconomics - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Science – S		3
General Education: Cardinal Core Natural Science Lab - SL		1
Foreign Language		4
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	3-4
	or MATH 180 or Elements of Calculus - QR	
POLS 202	Introduction to Comparative Politics - D2, SB	3
ECON 202	Principles of Macroeconomics - SB	3
Foreign Language		4
Hours		16
Year 2		
Fall		
BUS 201	Career Development	1

HIST 101	History of Civilizations I - D2, SBH	3
or HIST 102	or History of Civilizations II - D2, SBH	
Select one of the following:		3
BSTA 301	Business Statistics	
MATH 109	Elementary Statistics - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
CJ 326	Quantitative Analysis - QR	
General Education: Cardinal Core Arts & Humanities US Diversity – AHD1		3
General Education: Cardinal Core Natural Science – S		3
Foreign Language		4
Hours		17

Spring		
POLS 201	Introduction to American Government and Politics - SB	3
ECON 301	Intermediate Microeconomics	3
General Education: Cardinal Core Oral Communication – OC		3
General Education: Cardinal Core Arts & Humanities – AH		3
Social Science Elective		3
Hours		15

Year 3		
Fall		
ECON 302	Intermediate Macroeconomics	3
Economics Elective		3
General Elective (300-level or above)		3
Social Science Elective (300-level or above)		3
Humanities or Natural Science Elective		3
Hours		15

Spring		
Economics Elective		3
Economics Elective		3
Humanities or Natural Science Elective (300-level or above)		3
Social Science Elective (300-level or above)		3
General Elective (300-level or above)		3
Hours		15

Year 4		
Fall		
Economics Elective		3
General Elective (300-level or above)		3
Social Science Elective		3
General Elective (300-level or above)		3
General Elective (300-level or above)		3
Hours		15

Spring		
ECON 475	Senior Economics Seminar - CUE	3
Economics Elective		3
Humanities or Natural Science Elective (300-level or above)		3
General Elective		3
Hours		12
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.

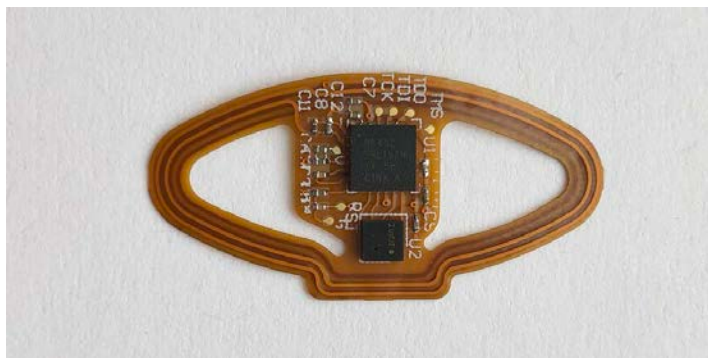
- Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
- To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Electrical Engineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Electrical Engineering

Unit: Speed School of Engineering (SS) (<https://engineering.louisville.edu>)
 Department: Electrical & Computer Engineering (<http://engineering.louisville.edu/electrical>)
 Academic Plan Code(s): EE_ _BEE

Program Information

Students specializing in Electrical Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Electrical & Computer Engineering—nine semesters in Departmental Studies—to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Electrical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<https://www.abet.org>). The Master of Engineering in Electrical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<https://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

(19 hours of General Education requirements may be satisfied through coursework required by the degree program)	
College/School Requirements ¹	37
Program/Major Requirements	74
Minimum Total Hours	123

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree **in the minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA \geq 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
ENGR 101	Engineering Analysis I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the minimum number of hours listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements

College/School Requirements

Code	Title	Hours
Speed School Core¹		
CHEM 201	General Chemistry I - S ²	3
CHEM 207	Introduction to Chemical Analysis I - SL ²	1
COMM 111	Introduction to Public Speaking - OC ² or COMM 112 Business and Professional Speaking - OC	3
ENGL 101	Introduction to College Writing - WC ^{2,3}	3
ENGL 102	Intermediate College Writing - WC ^{2,3}	3
ENGR 101	Engineering Analysis I - QR ²	4

ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ²	4
Engineering Fundamentals		
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 330	Linear Algebra for Engineering	2
Minimum Total Hours		37

Program/Major Requirements

Code	Title	Hours
Electrical and Computer Engineering Department Requirements		
ECE 220	Network Analysis I	3
ECE 221	Network Analysis I Laboratory	1
ECE 288	Electrical & Computer Engineering Cooperative Education Seminar	0
ECE 289	Electrical & Computer Engineering Cooperative Education I	1
ECE 320	Network Analysis II	3
ECE 322	Introduction to ECE Computing Tools	1
ECE 333	Electronics I	3
ECE 334	Electronics I Lab	1
ECE 360	Probabilistic Methods in Electrical and Computer Engineering	3
ECE 389	Electrical & Computer Engineering Cooperative Education II	1
ECE/CECS 412	Introduction to Embedded Systems	3
ECE 420	Signals and Linear Systems	3
ECE 473	Introduction to Electromagnetic Fields and Waves	3
ECE 489	Electrical and Computer Engineering Cooperative Education III	1
ECE 496	Professional Issues and Current Topics Seminar	2
ECE 497	Capstone Design in ECE - CUE (CUE)	3
ECE Elective Lecture & Lab. Select two of the following pairs:		8
ECE 510 & ECE 511	Computer Design Computer Design Laboratory	
ECE 515 & ECE 514	Introduction to VLSI Systems Introduction to VLSI Systems Laboratory	
ECE 516	Microcomputer Design	
CECS 525	Microcomputer Design	
ECE 520 & ECE 521	Digital Signal Processing Digital Signal Processing Laboratory	
ECE 533 & ECE 534	Integrated Circuit Design Integrated Circuit Design Laboratory	
ECE 543 & ECE 544	Fundamentals of Microfabrication and MEMS Microfabrications/MEMS Laboratory	
ECE 550 & ECE 551	Communication and Modulation Communication Systems Laboratory	
ECE 560 & ECE 561	Control Systems Principles Control Systems Laboratory	
ECE 564 & ECE 565	Fundamentals of Autonomous Robots Fundamentals of Autonomous Robots Lab	
Select two ECE Electives at the 500 level from the following:		6

ECE 500	Special Topics in Electrical Engineering	
ECE 510	Computer Design	
ECE 511	Computer Design Laboratory	
ECE 514	Introduction to VLSI Systems Laboratory	
ECE 515	Introduction to VLSI Systems	
ECE 516	Microcomputer Design	
ECE 518	Fundamentals of Computer Communications and Networks	
ECE 520	Digital Signal Processing	
ECE 521	Digital Signal Processing Laboratory	
ECE 523	Introduction to Biometrics	
ECE 530	Introduction to Random Processes and Estimation Theory	
ECE 531	Power Electronics	
ECE 533	Integrated Circuit Design	
ECE 534	Integrated Circuit Design Laboratory	
ECE 542	Semiconductor Device Fundamentals	
ECE 543	Fundamentals of Microfabrication and MEMS	
ECE 544	Microfabrications/MEMS Laboratory	
ECE 545	Optical Signal Processing	
ECE 550	Communication and Modulation	
ECE 551	Communication Systems Laboratory	
ECE 560	Control Systems Principles	
ECE 561	Control Systems Laboratory	
ECE 564	Fundamentals of Autonomous Robots	
ECE 565	Fundamentals of Autonomous Robots Lab	
ECE 581	Electric Machines and Drives	
ECE 582	Power System Analysis	
CECS 516	Fundamentals of Computer Communications and Networks	
CECS 525	Microcomputer Design	
Electrical and Computer Engineering Core		
ECE 210	Logic Design	3
ECE 211	Logic Design Laboratory	1
Supporting Courses		
CECS 130	Introduction to Programming Languages	3
IE 370	Engineering Economic Analysis	3
PHYS 295	Introductory Laboratories I - SL	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 299	Introductory Electricity, Magnetism and Light	4
Select one CECS/Mathematics/Science Elective from the following:		4 3
BIOL 240	Unity of Life - S	
BIOL 242	Diversity of Life - S	
BIOL 263	Environmental Biology - B	
CECS 220	Object Oriented Program Design with Java	
CECS 310	Discrete Structures	
CHEM 202	General Chemistry II - S	
PHYS/GEOS 220	Contemporary Issues in Meteorology - S	
GEOS 301	Geology for Scientists and Engineers	
MATH 311	Introduction to Higher Math	
MATH 387	Discrete Mathematics	
MATH 501	Introduction to Analysis I - CUE	

MATH 507	Fourier Analysis	
MATH 581	Introduction to Graph Theory	
PHYS 300	Introductory Modern Physics	
PHYS 307	Introductory Stellar Astrophysics	
PHYS 355	Optics	
PHYS 361	Atmospheric Thermodynamics	
PHYS 460	Mechanics	
Select one Engineering Science Elective from the following: ⁴		3
CECS 220	Object Oriented Program Design with Java	
CECS 302	Data Structures	
CECS 310	Discrete Structures	
CEE 205	Mechanics I: Statics	
CHE 253	Materials Science	
IE 515	Operations Research Methods	
ME 206	Mechanics II: Dynamics	
ME 251	Thermodynamics I	
Select two additional courses from either the CECS/Mathematics/Science Electives list, or the ECE Electives List ⁴		6
Minimum Total Hours		74

Candidates for the Bachelor of Science degree must be in Good Standing (university GPA ≥ 2.25) and must attain a grade point average of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
ECE 497	Capstone Design in ECE - CUE	

- ¹ Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA ≥ 2.25).
- ² This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements. Note that the 12-hour total for the AH/D1/D2/SB/SBH electives assumes the use of double counting of D1/D2 with another category. The Department recommends COMM 112 over COMM 111.
- ³ Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements. ENGL 303 or ENGL 306 is recommended as the additional course for EE students.
- ⁴ Students must take 3 hours of CECS/Mathematics/Science Electives and 3 hours of Engineering Science Electives. Some students may wish to use these electives toward satisfying the requirements for a minor in Mathematics or Physics; additional information is available in the Department. 6 additional hours must be taken of either CECS/Mathematics/Science Electives or ECE Electives.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		16
Spring		
ECE 210	Logic Design	3
ECE 211	Logic Design Laboratory	1
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		17
Summer		
ENGR 201	Engineering Analysis III	4
PHYS 295	Introductory Laboratories I - SL	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 299	Introductory Electricity, Magnetism and Light	4
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		13
Year 2		
Fall		
CECS 130	Introduction to Programming Languages	3
COMM 112 or COMM 111	Business and Professional Speaking - OC or Introduction to Public Speaking - OC	3
ECE 220	Network Analysis I	3
ECE 221	Network Analysis I Laboratory	1
ECE 288	Electrical & Computer Engineering Cooperative Education Seminar	0
ECE 322	Introduction to ECE Computing Tools	1
ENGR 205	Differential Equations for Engineering	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective Global Diversity - AHD2, SBD2, or SBHD2		3
Hours		16
Spring		
ECE 289	Electrical & Computer Engineering Cooperative Education I	1
Hours		1
Summer		
IE 370	Engineering Economic Analysis	3
ECE 320	Network Analysis II	3
Engineering Science Elective		3
ECE 473	Introduction to Electromagnetic Fields and Waves	3
Hours		12
Year 3		
Fall		
ECE 389	Electrical & Computer Engineering Cooperative Education II	1
Hours		1
Spring		
CECS/Math/Science Elective or ECE Elective		3

ECE 333	Electronics I	3
ECE 334	Electronics I Lab	1
ECE 360	Probabilistic Methods in Electrical and Computer Engineering	3
ECE 420	Signals and Linear Systems	3
ENGR 330	Linear Algebra for Engineering	2
Hours		15
Summer		
ECE 489	Electrical and Computer Engineering Cooperative Education III	1
Hours		1
Year 4		
Fall		
ECE 412	Introduction to Embedded Systems or CECS 412	3
CECS/Math/Science Elective or ECE Elective		3
Electrical & Computer Engineering Elective (500 level)		3
Electrical & Computer Engineering Elective (500 level)		3
ECE 496	Professional Issues and Current Topics Seminar	2
CECS/Math/Science Elective		3
Hours		17
Spring		
ECE 497	Capstone Design in ECE - CUE	3
Electrical & Computer Engineering Elective (500 level)		3
Electrical & Computer Engineering Elective Lab (500 level)		1
Electrical & Computer Engineering Design Elective (500 level)		3
Electrical & Computer Engineering Design Lab Elective (500 level)		1
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		14
Minimum Total Hours		123

Degree Audit Report

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Flight Planner

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English (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in English

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: English (<http://louisville.edu/english>)
Academic Plan Code(s): ENGLBA

Program Information

The program for English majors is designed to lay a foundation for careers in writing, teaching, scholarship, and research, as well as for many other types of position in the business and professional world where skills in communication, creative, critical, or analytical writing, public relations, editorial skills, advertising, or the like are required.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
	College/School Requirements	22
	Program/Major Requirements	68
Minimum Total Hours		121

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in English requires completion of ENGL 101 and ENGL 102 OR ENGL 105 or approved substitute; a minimum cumulative grade point average of 2.0; and a minimum grade point average of 2.0 in courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
	Foreign Language ¹	12
	Electives in Social or Natural Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of English ⁴		
ENGL 300	Introduction to English Studies - WR ⁵	3
ENGL 491	Interpretive Theory: The New Criticism to the Present	3
	English electives at the 300-level ⁶	9
	English electives at the 400-level	9
	English electives at the 500-level	12
Supporting Courses		
	Electives in Humanities disciplines other than English, at 400 level or above	3
	Electives in Humanities disciplines other than English, at 300 level or above	12
Minimum Electives		17
Minimum Total Hours		68

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
ENGL 506	Teaching of Writing - CUE, WR	
ENGL 507	The Teaching of Creative Writing - CUE, WR	
ENGL 541	Studies in Old and Middle English Literature - CUE	
ENGL 542	Studies in Tudor and Elizabethan Literature - CUE	
ENGL 543	Studies in Stuart and Commonwealth Literature - CUE	
ENGL 544	Studies in Restoration and Eighteenth-Century British Literature - CUE	
ENGL 545	Studies in British Literature of the Romantic Period - CUE	
ENGL 546	Studies in British Literature of the Victorian Period - CUE	

ENGL 547	Studies in Modern British and/or Irish Literature - CUE
ENGL 548	Studies in Contemporary British and/or Irish Literature - CUE
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE
ENGL 550	Studies in African-American Literature - CUE
ENGL 552	Special Topics in Literature in English
ENGL 554	Women's Personal Narratives - CUE
ENGL 555	Cooperative Internship in English Studies - CUE
ENGL 561	Chaucer - CUE
ENGL 562	Shakespeare - CUE
ENGL 563	Milton - CUE
ENGL 564	Selected Figures in American Literature - CUE
ENGL 567	Post-Colonial Voices: Writing Experience in African Literature - CUE, WR
ENGL 571	Studies in American Literature to 1865 - CUE
ENGL 572	Studies in American Literature, 1865-1910 - CUE
ENGL 573	Studies in American Literature, 1910-1960 - CUE
ENGL 574	Studies in American Literature, 1960 - CUE
ENGL 575	Genre Studies in African-American Literature - CUE
ENGL 577	The Harlem Renaissance - CUE
ENGL 581	Studies in Renaissance Drama - CUE
ENGL 586	Studies in American Drama - CUE
ENGL 591	History of Criticism: Plato to the New Criticism - CUE
ENGL 595	Studies in Literature and Science - CUE
ENGL 599	Advanced Studies in English - CUE, WR

NOTE: Historical Distribution: Majors must complete a minimum of one course in each of the following historical periods: Pre-1700 literature; 1700-1900 literature; Post-1900 literature. This requirement may be met by any selection of courses from the groups below. Consult course descriptions for information on the time-period to which a specific course applies.

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree. Courses in freshman composition (ENGL 101, ENGL 102, and ENGL 105) and ENGL 202 are not counted in computing the 40 hours for an English major.

At least 50 of the total minimum hours required must be at the 300 level or above.

- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- ³ May be incorporated into other degree requirements
- ⁴ Major must not include more than 9 hours of creative or expository writing (ENGL 300 and ENGL 310 are not included in this category).
- ⁵ Students planning to major in English are strongly encouraged to take ENGL 300 in the first semester after completion of ENGL 102 or ENGL 105.
- ⁶ ENGL 300 and ENGL 310 do not count toward 300-level electives.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities - AH		3
Foreign Language 1		4
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 2		4
Hours		16
Year 2		
Fall		
ENGL 300		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Social Science or Natural Science Elective		3
Foreign Language 3		4
Hours		16
Spring		
English Elective		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
English Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		16
Year 3		
Fall		
English Elective (300 level or above)		3
English Elective (300 level or above)		3
English Elective (400 level or above)		3
Humanities Elective (300 level or above)		3
Social Science or Natural Science Elective (300 level or above)		3
Hours		15
Spring		
ENGL 491	Interpretive Theory: The New Criticism to the Present	3
English Elective (400 level or above)		3
English Elective (500 level or above)		3
Social Science or Natural Science Elective (300 level or above)		3
General Elective		3
Hours		15
Year 4		
Fall		
English Elective (400 level or above)		3
English Elective (500 level or above)		3
Humanities Elective (300 level or above)		3
Humanities Elective (300 level or above)		3
General Elective		3
Hours		15
Spring		
Humanities Elective (400 level or above)		3
English Elective (500 level)		3

English Elective (500 level)	3
General Elective	3
General Elective	3
Hours	
15	
Minimum Total Hours	
122	

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

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Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

French (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in French

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://modernlanguages.louisville.edu>)
Academic Plan Code(s): FRENBA

Program Information

French is a language spoken on five continents and in over 50 countries of the world where it is used regularly in government, business, and, of course, in everyday life.

The French program at UofL offers a wide range of classes from beginning French to courses in literature, culture, media, linguistics, translation, and film.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in French requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31
The following course is required by the program and can satisfy the respective General Education Requirements:		
M L 250	Introduction to the French-Speaking World - AH, D2	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Social Sciences or Natural Sciences ^{2,3}	9
	WR—two approved courses at the 300 level or above ⁴	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
French Department		
FREN 320	French Skills Overview	3
FREN 321	French Conversation	3
FREN 322	Written Expression - WR ⁵	3
FREN 331	French Civilization	3
FREN 332	France Today	3
FREN 455	Reading in French	3
FREN 523	Advanced Communication Skills	3
FREN 524	Theory and Practice of Translation	3
FREN 590	Senior Capstone - CUE	3
	French electives at the 300 level or above	6
Supporting Courses		
M L 250	Introduction to the French-Speaking World - AH, D2	3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
	Electives in Humanities disciplines, other than French, at 300 level or above ⁶	6
Minimum Electives ⁷		23
Minimum Total Hours		68

No more than 40 hours in French may be applied toward the Bachelor of Arts degree.

FREN 121-FREN 123 do not count toward the 40 hour maximum in French.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
FREN 590	Senior Capstone - CUE	

- Completion or demonstration / proof of competency at the intermediate level of a foreign language
- Additional 3 hours of Arts and Sciences programmatic requirement in Natural Sciences or Social Sciences is met in supporting coursework.
- In addition to courses counted toward General Education; 6 hours must be at the 300 level or above
- May be incorporated into other degree requirements
- Fulfills WR requirement.
- Majors in one foreign language may count courses at the 300 level or above in another foreign language toward this requirement.
- Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
FREN 121	Basic French I	4
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
FREN 122	Basic French II	4
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Year 2		
Fall		
FREN 123	Basic French III	4
M L 250	Introduction to the French-Speaking World - AH, D2	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities-AH		3
General Elective		3
Hours		16
Spring		
FREN 320	French Skills Overview	3
Humanities Elective (300 level or above)		3
Social Science or Natural Science Elective (300 level or above)		3
General Elective or French Elective		3
General Elective		3
Hours		15
Year 3		
Fall		
FREN 321	French Conversation	3
FREN 331	French Civilization	3
General Elective or French Elective		3
Humanities WR Elective (300 level or above)		3
Social Science or Natural Science Elective (300 level or above)		3
Hours		15
Spring		
FREN 322	Written Expression - WR	3
FREN 332	France Today	3
General Elective or French Elective		3
General Elective		3
Social Science or Natural Science WR Elective		3
Hours		15
Year 4		
Fall		
FREN 455	Reading in French	3
FREN 523	Advanced Communication Skills	3
French Elective (300 level or above)		3
General Elective or French Elective		3
General Elective		3
Hours		15
Spring		
FREN 524	Theory and Practice of Translation	3
FREN 590	Senior Capstone - CUE	3

Select one of the following:	3
HUM 591	Perspectives on Ancient Culture - WR
HUM 592	Perspectives on Medieval Culture - WR
HUM 593	Perspectives on Early Modern Culture - WR
HUM 594	Perspectives on Modern Culture - WR
HUM 595	Principles of Cultural History - WR
HUM 596	Selected Perspectives in Humanities - WR
General Elective or French Elective	3
General Elective	2
Hours	14
Minimum Total Hours	121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Geography, Applied (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Applied Geography

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Geography (<http://louisville.edu/geography>)
Academic Plan Code(s): See Track Requirements tab

Program Information

Geographers investigate the character and possible associations between a subject and its environment. The Department of Geography and Geosciences educates students to view the world in a spatial and time-dependent context to determine relationships between people and their immediate and global environment.

The department offers Bachelor of Science degrees in four different concentrations:

- **Environmental Analysis:** designed for students who are interested in the environment and environmental sustainability.
- **Geospatial Technologies:** designed for students who are interested in developing geospatial technologies like GIS and remote sensing.
- **Human and Cultural Dynamics:** designed for students interested in the forces that shape human environments like population trends, sustainable development, ethnic and racial segregation, globalization and geopolitics.
- **Urban Analysis:** designed for students interested in the various processes that shape urban environments.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	57-62
	Track Requirements	15-18
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan. The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
GEOG 200	Human Geography in a Changing World - D2, SB	
GEOG 300	Globalization and Diversity - D2, SB	
GEOS 200	The Global Environment - S	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ²	6-8
	Electives in Natural Sciences or Humanities at the 300 level or above ³	6
	WR—two approved courses at the 300 level or above ⁴	
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Geography and Geosciences		
GEOG 200	Human Geography in a Changing World - D2, SB	3
GEOG 256	Introduction to Quantitative Methods in Geography and Geosciences	3
GEOG 300	Globalization and Diversity - D2, SB	3
GEOG 350	Introduction to Mapping and Geospatial Technologies	3
GEOG 356	Introduction to Spatial Statistics	3
GEOG 361	Sustainable Human Environments - WR ³	3
GEOG 441	Senior Thesis Proposal - WR ³	3
GEOG 442	Senior Thesis - CUE, WR ³	3
GEOG 558	Introduction to Geographic Information Systems	3
GEOS 200	The Global Environment - S	3
	Electives in Geography or Geosciences at 300 level or above	6
	Track Requirements	15-18
Supporting Courses		
	Electives in Social Sciences, other than Geography, at the 300 level or above	6
	Minimum Electives ⁵	15-20
	Minimum Total Hours	72-80

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
GEOG 442	Senior Thesis - CUE, WR	

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

- ² Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- ³ May be incorporated into other degree requirements
- ⁴ Fulfills WR requirement.
- ⁵ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Track Requirements

Track in Environmental Analysis

Academic Plan Code(s): GEOGBS_ENV

Code	Title	Hours
Environmental Foundation		
GEOG 340	Environmental Conflict in the United States: Historical Foundations & Contemporary Problems - D1, SBH	3
GEOS 360	Global Environmental Change	3
Environmental Specialization		
Select three of the following:		9
GEOS 301	Geology for Scientists and Engineers	
GEOS 363	Climate Science	
GEOS 365	Biogeography	
GEOS 367	Geomorphology	
GEOS 564	Hydrology	
GEOS 565	Natural Hazards	
GEOS 570	Water Resource Management	
GEOS 571	GIS and Water Resources	
GEOG 355	Introduction to Remote Sensing	
GEOG 540	Geography and Human-Environment Interactions	
Minimum Total Hours		15

Track in Geospatial Technologies

Academic Plan Code(s): GEOGBS_GST

Code	Title	Hours
Geospatial Technologies Foundation		
GEOG 355	Introduction to Remote Sensing	3
GEOG 385	Introduction to Programming for GIS and Spatial Data Analysis	3
GEOS 367	Geomorphology	3
Geospatial Technologies Specialization		
Select three of the following:		9
GEOG 522	GIS and Public Health	
GEOG 530	Transportation Geography	
GEOG 531	GIS & Urban Demographic Analysis	
GEOG 556	Advanced Remote Sensing	
GEOG 559	Advanced Geographic Information Systems	
GEOG 583	Spatial and Non-Spatial Database Management	
GEOS 571	GIS and Water Resources	
Minimum Total Hours		18

Track in Human and Cultural Dynamics

Academic Plan Code(s): GEOGBS_HCD

Code	Title	Hours
Human and Cultural Dynamics Foundation		
GEOG 320	Geopolitics	3
GEOG 331	Population Geography	3
Human and Cultural Dynamics Specialization		
Select three of the following:		9
GEOG 324	Race and Place	
GEOG 500	Globalization Seminar	
GEOG 510	Urbanism in the Global South: Cities and Space	
GEOG 521	Medical Geography	
GEOG 524	Food and Race	
GEOG 540	Geography and Human-Environment Interactions	
Minimum Total Hours		15

Track in Urban Analysis

Academic Plan Code(s): GEOGBS_URA

Code	Title	Hours
Urban Analysis Foundation		
GEOG 327	Economic Geography	3
GEOG 328	Urban Geography	3
Urban Analysis Specialization		
Select three of the following:		9
GEOG 331	Population Geography	
GEOG 510	Urbanism in the Global South: Cities and Space	
GEOG 529	Geography of Urban Issues	
GEOG 530	Transportation Geography	
GEOG 531	GIS & Urban Demographic Analysis	
GEOG 535	GIS and Retail Site Analysis	
GEOG 536	Sustainable Transportation	
Minimum Total Hours		15

Flight Plan

Track in Environmental Analysis

Academic Plan Code(s): GEOGBS_ENV

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
Foreign Language 1		3-4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
GEOG 200	The Global Environment - S	3
		13-14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities		3
General Education: Cardinal Core Quantitative Reasoning - QR		

Foreign Language 2	3-4
GEOG 200 Human Geography in a Changing World - D2, SB	3
General Elective	3
Hours	15-16
Year 2	
Fall	
General Education: Cardinal Core Oral Communication - OC	3
GEOG 256 Introduction to Quantitative Methods in Geography and Geosciences	3
GEOG 300 Globalization and Diversity - D2, SB	3
GEOG 350 Introduction to Mapping and Geospatial Technologies	3
General Elective	3
Hours	15
Spring	
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1	3
GEOG 356 Introduction to Spatial Statistics	3
GEOG 558 Introduction to Geographic Information Systems	3
GEOG 340 Environmental Conflict in the United States: Historical Foundations & Contemporary Problems - D1, SBH	3
GEOS 360 Global Environmental Change	3
Hours	15
Year 3	
Fall	
GEOG 361 Sustainable Human Environments - WR	3
General Education: Cardinal Core Natural Sciences with Lab - B	4
Humanities/Natural Science Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
Environmental Analysis Track Course	3
General Elective	2
Hours	18
Spring	
Environmental Analysis Track Course	3
Environmental Analysis Track Course	3
Geography/Geosciences Elective (300 level or above)	3
Humanities or Natural Science Elective (300 level or above)	3
General Elective	3
Hours	15
Year 4	
Fall	
Geography/Geosciences Elective (300 level or above)	3
GEOG 441 Senior Thesis Proposal - WR	3
General Elective	3
General Elective	3
General Elective	3
Hours	15
Spring	
Social Science Elective (300 level or above)	3
GEOG 442 Senior Thesis - CUE, WR	3
General Elective	3
General Elective	3
General Elective (if needed)	3
Hours	15
Minimum Total Hours	121-123

Track in Geospatial Technologies

Academic Plan Code(s): GEOGBS GST

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
GEOG 200	The Global Environment - S	3
Foreign Language 1		3-4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		13-14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 2		3-4
GEOG 200	Human Geography in a Changing World - D2, SB	3
Hours		15-16
Year 2		
Fall		
General Education: Cardinal Core Oral Communication - OC		3
GEOG 256	Introduction to Quantitative Methods in Geography and Geosciences	3
GEOG 300	Globalization and Diversity - D2, SB	3
GEOG 350	Introduction to Mapping and Geospatial Technologies	3
GEOG 355	Introduction to Remote Sensing	3
Hours		15
Spring		
Humanities or Natural Science Elective (300 level or above)		3
GEOG 356	Introduction to Spatial Statistics	3
GEOG 558	Introduction to Geographic Information Systems	3
GEOS 367	Geomorphology	3
General Elective		3
Hours		15
Year 3		
Fall		
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
GEOG 361	Sustainable Human Environments - WR	3
Geospatial Technologies Track Course		3
General Elective		3
General Elective		1
Hours		17
Spring		
Humanities or Natural Science Elective (300 level or above)		3
Geospatial Technologies Track Course		3
Geospatial Technologies Track Course		3
GEOG 385	Introduction to Programming for GIS and Spatial Data Analysis	3
Geography/Geosciences Elective (300 level or above)		3
Hours		15
Year 4		
Fall		
GEOG 441	Senior Thesis Proposal - WR	3
Geography/Geosciences Elective (300 level or above)		3
Social Science Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		15
Spring		
GEOG 442	Senior Thesis - CUE, WR	3
Social Science Elective (300 level or above)		3

General Elective	3
General Elective	3
General Elective	4
Hours	16
Minimum Total Hours	121-123

Track in Human and Cultural Dynamics

Academic Plan Code(s): GEOGBS HCD

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Foreign Language 1		3-4
GEOS 200	The Global Environment - S	3
Hours		13-14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 2		3-4
GEOG 200	Human Geography in a Changing World - D2, SB	3
Hours		15-16
Year 2		
Fall		
Humanities/Natural Science Elective (300 level or above)		3
General Education: Cardinal Core Oral Communication - OC		3
GEOG 256	Introduction to Quantitative Methods in Geography and Geosciences	3
GEOG 300	Globalization and Diversity - D2, SB	3
GEOG 350	Introduction to Mapping and Geospatial Technologies	3
Hours		15
Spring		
GEOG 331	Population Geography	3
GEOG 356	Introduction to Spatial Statistics	3
GEOG 558	Introduction to Geographic Information Systems	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Elective		3
Hours		15
Year 3		
Fall		
GEOG 320	Geopolitics	3
GEOG 361	Sustainable Human Environments - WR	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Human & Cultural Dynamics Track Course		3
Social Science Elective (300 level or above)		3
General Elective		1
Hours		17
Spring		
Humanities/Natural Science Elective (300 level or above)		3
Human & Cultural Dynamics Track Course		3
General Elective		3
Human & Cultural Dynamics Track Course		3
Geography/Geosciences Elective (300 level or above)		3
Hours		15

Year 4

Course	Title	Hours
Fall		
Social Science Elective (300 level or above)		3
GEOG 441	Senior Thesis Proposal - WR	3
Geography/Geosciences Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		15
Spring		
GEOG 442	Senior Thesis - CUE, WR	3
General Elective		3
General Elective		3
General Elective		3
General Elective (if needed)		4
Hours		16
Minimum Total Hours		121-123

Track in Urban Analysis

Academic Plan Code(s): GEOGBS URA

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
Foreign Language 1		3-4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
GEOS 200	The Global Environment - S	3
Hours		13-14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 2		3-4
GEOG 200	Human Geography in a Changing World - D2, SB	3
Hours		15-16
Year 2		
Fall		
General Education: Cardinal Core Oral Communication - OC		3
GEOG 256	Introduction to Quantitative Methods in Geography and Geosciences	3
GEOG 300	Globalization and Diversity - D2, SB	3
GEOG 327	Economic Geography	3
GEOG 350	Introduction to Mapping and Geospatial Technologies	3
Hours		15
Spring		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD1		3
GEOG 356	Introduction to Spatial Statistics	3
GEOG 558	Introduction to Geographic Information Systems	3
Humanities or Natural Science Elective (300 level or above)		3
General Elective		3
Hours		15
Year 3		
Fall		
General Education: Cardinal Core Natural Sciences with Lab - B		4
GEOG 361	Sustainable Human Environments - WR	3
GEOG 328	Urban Geography	3
Urban Analysis Track Course		3
General Elective		1

General Elective		3
Hours		17
Spring		
Humanities or Natural Science Elective (300 level or above)		3
Urban Analysis Track Course		3
Urban Analysis Track Course		3
Geography/Geosciences Elective (300 level or above)		3
General Elective		3
Hours		15
Year 4		
Fall		
GEOG 441	Senior Thesis Proposal - WR	3
	Geography/Geosciences Elective (300 level or above)	3
	Social Science Elective (300 level or above)	3
	General Elective	3
	General Elective	3
Hours		15
Spring		
GEOG 442	Senior Thesis - CUE, WR	3
	Social Science Elective (300 level or above)	3
	General Elective	3
	General Elective	3
	General Elective	4
Hours		16
Minimum Total Hours		121-123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Health and Human Performance (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Health and Human Performance

Unit: College of Education and Human Development (<http://www.louisville.edu/edu>)

Department: Health & Sports Sciences (HSS) (<http://louisville.edu/education/departments/hss>)

Academic Plan Code(s): See Track Requirements tab.

Program Requirements

All students completing the Bachelor of Science degree in Health and Human Performance must complete the core classes, program requirements, and at least one track, along with appropriate related and supporting courses.

The core provides students with a background in the social, physiological and historical knowledge needed for specialized study in health and physical education. The track enables students to develop the professional knowledge, skills and dispositions to be effective professionals in teaching and related fields. Extensive school-based fieldwork experiences are integrated into the curriculum.

The goal of the degree program is to assist students in acquiring the skills, knowledge and dispositions to become effective and committed health and physical education teachers.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(At least 3 hours of General Education requirements may be satisfied through coursework required by the degree program)		
	College/School Requirements	6
	Program/Major Requirements ¹	25
	Track Requirements ¹	63-65
	Minimum Total Hours	123

¹ Some courses required in this degree program may satisfy multiple requirements. To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements or reduce the number of available electives within a track. See the Degree Requirements and Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students must have completed a minimum of 45 credit hours and must have earned a minimum cumulative UofL grade point average of 2.25.

Students must have completed HSS 184 and HSS 320 with a grade of B-minus or higher, and HSS 202 with a grade of C or higher.

In addition to the requirements above, admission to the Health and Physical Education track also requires:

- 2.75 or higher overall GPA
- Minimum test scores as required by the Education Professional Standards Board
- C or better in ENGL 102 (or equivalent) and in Oral Communication course
- Completion of Pre-Professional Courses with a B-minus or better
- Any other requirements as outlined in Application.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following course is required by the program and should be taken to fulfill the respective General Education Requirement:

HSS 293	Social and Psychological Dimensions of Physical Activity - SB
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All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the minimum number of hours listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
HSS 181	Academic Orientation	1
	Select two (2) Physical Activity Courses (see list below)	2
HSS 184	Healthy Lifestyles I	3
Minimum Total Hours		6

Program/Major Requirements

Code	Title	Hours
Health and Human Performance Core		
HSS 180	First Aid and Safety Education	3
HSS 202	Human Anatomy & Physiology ²	3

HSS 293	Social and Psychological Dimensions of Physical Activity - SB	3
HSS 302	Nutrition in Healthy Living	3
or HSS 303	Human Nutrition	
HSS 320	Growth and Motor Development Across the Lifespan	3
HSS 377	Introduction to Statistics in Health and Human Performance	3
HSS 387	Biomechanics ³	3
or HSS 310	Healthy Lifestyles II	
HSS 402	Practicum in Health and Human Performance	1
HSS 418	Diverse Populations in Physical Activity and Health ⁴	3
or HSS 419	Adapted Physical Education	
Track Requirements		63-65
Minimum Total Hours		88-90

Degree Requirements

A minimum of 123 hours with an overall GPA of 2.25 is required. A minimum of 50 hours at the 300-level are required. No grades of D will be accepted in HSS courses used to meet program core or track requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
<i>Track in Exercise Science</i>		
HSS 486	Advanced Exercise Physiology - CUE	
<i>Track in Youth Sport Development</i>		
HSS 455	Current Trends and Issues in Health Education - CUE	
<i>Track in Health and Physical Education</i>		
HSS 477	Capstone Seminar: Initial Teacher Certification - CUE	

Code	Title	Hours
Physical Activity Courses		
HSS 101	Beginning Swimming	1
HSS 102	Advanced Swimming	1
HSS 103	Life Saving	1
HSS 104	Scuba	1
HSS 108	Water Fitness	1
HSS 109	Weight Training	1
HSS 110	Physical Fitness and Conditioning	1
HSS 111	Aerobic Fitness	1
HSS 112	Mini-Marathon Training	1
HSS 114	Fitness Walking	1
HSS 115	Step Aerobics	1
HSS 116	Introduction to Yoga	1
HSS 117	Intermediate Yoga	1
HSS 118	Beginning Martial Arts	1
HSS 119	Intermediate Martial Arts	1
HSS 120	Beginning Racquetball	1
HSS 121	Billiards and Table Games	1
HSS 122	Badminton	1

HSS 123	Tennis	1
HSS 124	Advanced Tennis	1
HSS 125	Golf	1
HSS 126	Tumbling and Apparatus	1
HSS 127	Beginning Fencing	1
HSS 128	Pickleball	1
HSS 132	Canoeing	1
HSS 133	Backpacking and Hiking	1
HSS 134	Rappelling	1
HSS 136	Soccer	1
HSS 137	Volleyball	1
HSS 138	Basketball	1
HSS 140	Softball	1
HSS 144	Physical Activity for the Older Adult	1
HSS 145	Activity for the Physically Challenged	1
HSS 150	Special Topics: Physical Education Activities	1
HSS 160	Beginning Aerobic Dance	1
HSS 161	Intermediate Aerobic Dance	1
HSS 162	Beginning Modern Dance	1
HSS 163	Intermediate Modern Dance	1
HSS 164	Beginning Country Western Dance	1
HSS 165	Ballroom Dance	1
HSS 166	African Dance	1
HSS 167	Country Line Dance	1

¹ To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the listed electives).

² BIOL 260 may be substituted

³ HSS 387 is required for the track in Exercise Science. HSS 310 is required for tracks in Health & Physical Education and Youth Sport Development.

⁴ HSS 419 is required for tracks in Health & Physical Education and Youth Sport Development.

Track Requirements

Track in Exercise Science

Academic Plan Code(s): HHP_BS_ESS

Code	Title	Hours
HSS 386	Advanced Anatomy and Physiology I ¹	3
HSS 388	Principles of Athletic Conditioning	3
HSS 389	Prevention and Care of Athletic Injuries I	3
HSS 390	Advanced Anatomy and Physiology II	3
HSS 394	Foundations of Exercise Physiology	3
HSS 395	Fitness Assessment and Prescription	3
HSS 396	Lab Methods in Fitness Evaluation	3
HSS 486	Advanced Exercise Physiology - CUE	3
HSS 492	Exercise Science Internship	3
Select one of the following:		2-3
HSS 507	Senior Seminar in Exercise Physiology	

HSS 381	Anatomy and Physiology Lab I	
& HSS 391	Anatomy and Physiology Lab II ^{2,3}	
Electives ⁴		34-35
Minimum Total Hours		64

Code	Title	Hours
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Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:

HSS 486	Advanced Exercise Physiology - CUE	
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¹ BIOL 261 may be substituted

² BIOL 262 may be substituted for HSS 381.

³ HSS 381 should be taken concurrently with or after previous completion of HSS 386. HSS 391 should be taken with or after previous completion of HSS 390.

⁴ Consult advisor

Track in Youth Sport Development

Academic Plan Code(s): HHP_BS_PNT

Code	Title	Hours
HSS 200	Introduction to Health Education	3
HSS 270	Introduction to Physical Education	3
HSS 271	Teaching Physical Education	3
HSS 326	Movement Skills and Concepts in Physical Education	3
HSS 327	Invasion and Net Games	3
HSS 328	Target and Fielding Games	3
HSS 384	Program Planning in Health Education	3
HSS 455	Current Trends and Issues in Health Education - CUE	3
HSS 462	Alcohol and Drug Education	3
HSS 463	Sexuality Education	3
Electives ¹		34
Minimum Total Hours		64

Code	Title	Hours
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Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:

HSS 455	Current Trends and Issues in Health Education - CUE	3
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¹ Consult advisor

Track in Health and Physical Education

Academic Plan Code(s): HHP_BS_PSH

Midpoint Assessment Prior to Student Teaching

All content methods classes passed with a cumulative 3.0 GPA; Positive recommendation from the Health and Physical Education program committee (includes satisfactory assessment of dispositions and work sample); Electronic documentation of 200 hours of diverse and approved field experiences.

Code	Title	Hours
Student Teaching Requirement ¹		
HSS 414	Student Teaching in Elementary Physical Education	3
HSS 415	Student Teaching in Health Education	3
HSS 416	Student Teaching in Secondary Physical Education	3
Pre-Professional Courses		
EDSP 260	Classroom Behavior Management	3
EDTP 107	Human Development and Learning	3
HSS 200	Introduction to Health Education	3
HSS 270	Introduction to Physical Education	3
HSS 271	Teaching Physical Education	3
HSS 326	Movement Skills and Concepts in Physical Education	3
HSS 327	Invasion and Net Games	3
HSS 328	Target and Fielding Games	3
HSS 384	Program Planning in Health Education	3
HSS 455	Current Trends and Issues in Health Education - CUE	3
HSS 462	Alcohol and Drug Education	3
HSS 463	Sexuality Education	3
Electives		1
Professional Program Courses ¹		
EDTP 420	Reading and Writing Across the Curriculum	3
HSS 404	Methods in Elementary Physical Education	4
HSS 405	Methods in Secondary Physical Educaiton	4
HSS 477	Capstone Seminar. Initial Teacher Certification - CUE	3
HSS 485	Methods in Health Education	4
Minimum Total Hours		64

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
HSS 477	Capstone Seminar. Initial Teacher Certification - CUE ¹	3

Certification Assessment

Satisfactory Dispositions Assessment; passing scores on required PRAXIS exams.

¹ Courses restricted to students admitted to professional teacher education program.

Flight Plan

Track in Exercise Science

Course	Title	Hours
Year 1		
Fall		
ENGL 101	Introduction to College Writing - WC	3
HSS 180	First Aid and Safety Education	3
HSS 181	Academic Orientation	1
PE Activity Course (HSS 101-167)		1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1

General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
HSS 184	Healthy Lifestyles I	3
PE Activity Course (HSS 101-167)		1
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Year 2		
Fall		
HSS 202	Human Anatomy & Physiology	3
HSS 320	Growth and Motor Development Across the Lifespan	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Natural Sciences - S		3
General Elective		3
Hours		15
Spring		
HSS 293	Social and Psychological Dimensions of Physical Activity - SB	3
HSS 387	Biomechanics	3
HSS 394	Foundations of Exercise Physiology	3
General Elective		3
General Elective		3
Hours		15
Year 3		
Fall		
HSS 302 or HSS 303	Nutrition in Healthy Living or Human Nutrition	3
HSS 386	Advanced Anatomy and Physiology I	3
HSS 381	Anatomy and Physiology Lab I (or General Elective)	1
HSS 418	Diverse Populations in Physical Activity and Health	3
General Elective		3
General Elective		1
Hours		14
Spring		
HSS 377	Introduction to Statistics in Health and Human Performance	3
HSS 388	Principles of Athletic Conditioning	3
HSS 390	Advanced Anatomy and Physiology II	3
HSS 391	Anatomy and Physiology Lab II (or General Elective) ¹	1
General Elective		3
General Elective (300 level or above)		3
Hours		16
Year 4		
Fall		
HSS 395	Fitness Assessment and Prescription	3
HSS 396	Lab Methods in Fitness Evaluation	3
HSS 389	Prevention and Care of Athletic Injuries I	3
HSS 402	Practicum in Health and Human Performance	1
General Elective		3
General Elective (300 level or above)		3
Hours		16
Spring		
HSS 486	Advanced Exercise Physiology - CUE	3
HSS 492	Exercise Science Internship	3
HSS 507	Senior Seminar in Exercise Physiology (or General Elective) ¹	3
General Elective		3
General Elective		3

General Elective	1
Hours	16
Minimum Total Hours	123

¹ Must choose either HSS 507 or HSS 381 and 391. HSS 381 must be taken concurrently or after previous completion of HSS 386. HSS 391 must be taken concurrently or after previous completion of HSS 390.

Track in Youth Sport Development

Course	Title	Hours
Year 1		
Fall		
ENGL 101	Introduction to College Writing - WC	3
HSS 181	Academic Orientation	1
PE Activity Course (HSS 101-167)		1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
HSS 180	First Aid and Safety Education	3
HSS 184	Healthy Lifestyles I	3
PE Activity Course (HSS 101-167)		1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Year 2		
Fall		
HSS 200	Introduction to Health Education	3
HSS 270	Introduction to Physical Education	3
HSS 293	Social and Psychological Dimensions of Physical Activity - SB	3
HSS 402	Practicum in Health and Human Performance	1
General Education: Cardinal Core Natural Sciences - S		3
General Elective		3
Hours		16
Spring		
HSS 202	Human Anatomy & Physiology	3
HSS 302 or HSS 303	Nutrition in Healthy Living or Human Nutrition	3
HSS 320	Growth and Motor Development Across the Lifespan	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
Hours		15
Year 3		
Fall		
HSS 271	Teaching Physical Education	3
HSS 310	Healthy Lifestyles II	3
HSS 377	Introduction to Statistics in Health and Human Performance	3
HSS 419	Adapted Physical Education	3
General Elective		3
Hours		15
Spring		
HSS 326	Movement Skills and Concepts in Physical Education	3
HSS 327	Invasion and Net Games	3
HSS 328	Target and Fielding Games	3
General Elective (300 level or above)		3

General Elective (300 level or above)	3
Hours	15

Year 4

Fall

HSS 384	Program Planning in Health Education	3
HSS 462	Alcohol and Drug Education	3
HSS 463	Sexuality Education	3
General Elective (300 level or above)		3
General Elective		3
General Elective		1
Hours		16

Spring

HSS 455	Current Trends and Issues in Health Education - CUE	3
General Elective (300 level or above)		3
General Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		123

Track in Health and Physical Education

Course	Title	Hours
Year 1		
Fall		
ENGL 101	Introduction to College Writing - WC	3
HSS 181	Academic Orientation	1
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
PE Activity Course (HSS 101-167)		1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
HSS 180	First Aid and Safety Education	3
HSS 184	Healthy Lifestyles I	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
PE Activity Course (HSS 101-167)		1
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
HSS 200	Introduction to Health Education	3
HSS 270	Introduction to Physical Education	3
HSS 293	Social and Psychological Dimensions of Physical Activity - SB	3
HSS 402	Practicum in Health and Human Performance	1
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Spring		
HSS 202 or BIOL 260	Human Anatomy & Physiology or Human Anatomy & Physiology I	3
HSS 302 or HSS 303	Nutrition in Healthy Living or Human Nutrition	3
HSS 310	Healthy Lifestyles II	3
HSS 320	Growth and Motor Development Across the Lifespan	3
HSS 377	Introduction to Statistics in Health and Human Performance	3

General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		18
Year 3		
Fall		
HSS 271	Teaching Physical Education	3
HSS 384	Program Planning in Health Education	3
HSS 419	Adapted Physical Education	3
HSS 462	Alcohol and Drug Education	3
HSS 463	Sexuality Education	3
General Elective		1
Hours		16
Spring		
EDSP 260	Classroom Behavior Management	3
HSS 326	Movement Skills and Concepts in Physical Education	3
HSS 327	Invasion and Net Games	3
HSS 328	Target and Fielding Games	3
HSS 455	Current Trends and Issues in Health Education - CUE	3
Hours		15
Year 4		
Fall		
EDTP 420	Reading and Writing Across the Curriculum	3
HSS 404	Methods in Elementary Physical Education	4
HSS 405	Methods in Secondary Physical Education	4
HSS 485	Methods in Health Education	4
Hours		15
Spring		
HSS 414	Student Teaching in Elementary Physical Education	3
HSS 415	Student Teaching in Health Education	3
HSS 416	Student Teaching in Secondary Physical Education	3
HSS 477	Capstone Seminar: Initial Teacher Certification - CUE	3
Hours		12
Minimum Total Hours		123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

History (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in History

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: History (<http://louisville.edu/history>)
Academic Plan Code(s): See Track Requirements tab.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Program Information

The University of Louisville Department of History offers a comprehensive undergraduate program. Our course offerings include an extensive array of classes covering American, South American, European, African, South Asian, and Asian history. Courses are taught by an internationally recognized faculty. Students who choose to pursue a history major or minor receive extensive, one-on-one advising with the department's faculty.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		39
Track Requirements		29
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/MA in History Program

History majors who are already thinking about pursuing an MA in history can speed up the process by applying some of their undergraduate credit

hours toward a master's degree. Students take three graduate level courses/nine hours (either 500-level with the additional graduate level assignments, or 600-level) while still an undergraduate, and then have those credits apply both toward the undergraduate degree and towards an eventual master's degree from UofL.

Interested students should have a minimum overall grade point average (GPA) of 3.35, a history GPA of 3.35, and meet all other requirements for admission to the History Department's Master of Arts program (including at least 21 hours of history courses).

Students must retain a 3.35 GPA in history during their senior year to remain in the program. Once admitted to the accelerated BA/MA program and starting the graduate work, students are expected to maintain a full graduate load of 9 credit hours.

Departmental Admission Requirements

Admission to the BA in History requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

Accelerated BA/MA in History Program

Interested students should apply for entry into the accelerated program no later than the end of their Junior year.

Interested students should:

1. Complete an application for admission to the History Department's Master of Arts program (including GRE scores, transcripts, two letters of recommendation, and a statement of purpose) no later than the end of their junior year.
2. Have a minimum overall grade point average (GPA) of 3.35, a history GPA of 3.35, and meet all other requirements for admission to the History Department's Master of Arts program (including at least 21 hours of history courses).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

HIST 101	History of Civilizations I - D2, SBH
HIST 211	American History I - D1, SBH

Courses above satisfy the SBH, D1 and D2 requirements; students will need to complete an additional course designated SB or SBH to complete the Social & Behavioral Sciences Requirement.

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of History⁴		
HIST 101	History of Civilizations I - D2, SBH	6
& HIST 102	History of Civilizations II - D2, SBH	
HIST 211	American History I - D1, SBH	6
& HIST 212	American History II - D1, SBH	
HIST 304	Historical Methods - WR	3
<i>Pre-Modern World</i>		
Select one of the following:		3
HIST 301	Early Political Thought	
HIST 340	Ancient Mediterranean World	
HIST 341	The Ancient Near East	
HIST 342	Ancient Greece	
HIST 343	The Roman World	
HIST 345	Culture of the Ancient Near East	
HIST 346	Greek and Roman Culture	
HIST 350	Origins of Christianity	
HIST 351	Medieval Europe I	
HIST 352	Medieval Europe II	
HIST 356	Islamic Middle East	
HIST 393	African History Before 1800 - D2, SBH	
HIST 542	Studies in Graeco-Roman History - CUE, WR	
HIST 551	Studies in Medieval History - CUE, WR	
HIST 555	English Medieval History, 1066 to 1500 - WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
<i>United States Area</i>		
Select one of the following:		3
HIST 305	Historical Geography of the United States	
HIST 311	United States Economic History	
HIST 313	Comparative Environmental History	
HIST 314	History of US Foreign Relations II	
HIST 315	United States Constitutional History I - WR	
HIST 316	United States Constitutional History II - WR	
HIST 317	African American Experience in Wartime	
HIST 318	U.S. in the Sixties	
HIST 319	African-American History I - D1, SBH	
HIST 320	African-American History II - D1, SBH	
HIST 321	Black Culture and U.S. Democracy	
HIST 322	The History of the Civil Rights Movement, 1900 to Present	

HIST 323	Modern American Social Movements
HIST 324	The History of Women, 1700 to the Present
HIST 326	History of Childhood in America - D1, SBH, WR
HIST 329	History of the New South
HIST 361	Modern Jewish History: The 20th Century
HIST 362	The United States and the Middle East
HIST 418	United States Military History
HIST 506	Women in 19th Century America - WR
HIST 508	American Environmental History - CUE, WR
HIST 510	Studies in American History
HIST 511	History of the Old South - CUE, WR
HIST 512	History of the Jews in America - CUE, WR
HIST 513	U.S. Social Justice Movements
HIST 514	United States Peace Movement
HIST 516	History of American Civil Liberties - WR
HIST 518	Antebellum United States, 1800-1860 - CUE, WR
HIST 519	Gilded Age and Progressive Era United States, 1877-1929 - WR
HIST 521	Colonial America to 1765 - CUE, WR
HIST 522	The American Revolution and the Confederation - CUE, WR
HIST 524	United States Civil War and Reconstruction - CUE, WR
HIST 528	Recent American History, 1929-1945 - CUE, WR
HIST 529	Recent American History, 1945 to Present - CUE, WR
HIST 534	The U.S. and Latin America - CUE, WR
HIST 537	Black Radicalism
HIST 559	U.S. and the Cold War Policy - CUE, WR
HIST 561	U.S. and Vietnam - CUE, WR
HIST 583	Women in the Twentieth Century in Europe and the U.S. - CUE, WR
HIST 589	History of American Sexualities - WR
HIST 593	American Image of the Middle East - CUE
HIST 597	Introduction to Public History
HIST 599	Oral History - CUE, WR

European Area

Select one of the following: 3

HIST 302	Modern Political Thought
HIST 308	Europe from 1500 to the French Revolution
HIST 309	Europe from 1800 to the Present
HIST 324	The History of Women, 1700 to the Present
HIST 340	Ancient Mediterranean World
HIST 342	Ancient Greece
HIST 343	The Roman World
HIST 346	Greek and Roman Culture
HIST 351	Medieval Europe I
HIST 352	Medieval Europe II
HIST 353	Europe in the Sixteenth Century
HIST 354	Renaissance Culture
HIST 355	European Ideas and Ideologies: Selected Topics - WR
HIST 358	The Scientific Revolution

HIST 360	The Origins of Islam
HIST 361	Modern Jewish History: The 20th Century
HIST 363	Russian History I
HIST 364	Russian History II
HIST 366	English History: Tudor Age to Welfare State
HIST 367	British Imperialism
HIST 368	History of France, 1598-1799
HIST 369	History of France, 1799 to the Present
HIST 385	Russian Cultural History - WR
HIST 386	Modern Germany, 1848-1945: The Struggle for Unity
HIST 387	The Holocaust, Genocide, and Global Imagination - D2, SBH
HIST 419	Western Military History - WR
HIST 542	Studies in Graeco-Roman History - CUE, WR
HIST 547	Studies in Russian History - CUE, WR
HIST 551	Studies in Medieval History - CUE, WR
HIST 555	English Medieval History, 1066 to 1500 - WR
HIST 571	The Renaissance - CUE, WR
HIST 572	Age of the Reformation - WR
HIST 577	The French Revolution and Napoleon - CUE, WR
HIST 579	History of European Ideas: Selected Topics - CUE, WR
HIST 582	Contemporary Europe 1945-Present - CUE, WR
HIST 583	Women in the Twentieth Century in Europe and the U.S. - CUE, WR
HIST 587	The Russian Revolutions - WR
HIST 588	Feminism in Western Civilization, 1790-1920 - WR
HIST 595	Principles of Cultural History - WR

Asia, Africa, Latin American Area (AALA) ⁵

Select two of the following: 6

HIST 313	Comparative Environmental History
HIST 331	Colonial Latin America
HIST 332	Latin America, 1820 to Present
HIST 333	Women in Latin American History
HIST 341	The Ancient Near East
HIST 345	Culture of the Ancient Near East
HIST 350	Origins of Christianity
HIST 356	Islamic Middle East
HIST 357	Middle Eastern History, 1453 to the Present - WR
HIST 362	The United States and the Middle East
HIST 367	British Imperialism
HIST 376	War in the Modern Middle East - WR
HIST 377	The Ottoman Empire to 1800
HIST 378	The Ottoman Empire and Modern Turkey from 1800 - WR
HIST 393	African History Before 1800 - D2, SBH
HIST 394	African History Since 1800 - D2, SBH
HIST 395	Contemporary Africa
HIST 396	History of India
HIST 397	Traditional China
HIST 398	Modern China
HIST 399	Modern Japan: Imperialism and Democracy

HIST 533	Twentieth-Century Latin America - CUE, WR	
HIST 534	The U.S. and Latin America - CUE, WR	
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 565	Women and Sexuality in the Middle East - CUE, WR	
HIST 584	Women in East Asian History	
HIST 590	Studies in African History - CUE, WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
HIST 592	Civilizations of Modern India - CUE, WR	
HIST 593	American Image of the Middle East - CUE	
HIST 594	Studies in Middle Eastern History - WR	
HIST 598	Nationalism and Modernity in East Asia	
History electives at the 300 level or above		3
History electives at the 500 level ⁶		6
Track Requirements ⁷		29
Minimum Total Hours		68

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Once a student has declared a History major, the student must enroll in HIST 304 as 3 of the next 12 History credit hours. A grade of C or better must be earned in HIST 304.

Six hours of required 500-level history courses must be completed with a grade of C or better.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
HIST 401	Cooperative Internship in History - CUE	
HIST 504	Philosophy of History - CUE, WR	
HIST 508	American Environmental History - CUE, WR	
HIST 511	History of the Old South - CUE, WR	
HIST 512	History of the Jews in America - CUE, WR	
HIST 518	Antebellum United States, 1800-1860 - CUE, WR	
HIST 521	Colonial America to 1765 - CUE, WR	
HIST 522	The American Revolution and the Confederation - CUE, WR	
HIST 524	United States Civil War and Reconstruction - CUE, WR	
HIST 528	Recent American History, 1929-1945 - CUE, WR	
HIST 529	Recent American History, 1945 to Present - CUE, WR	
HIST 533	Twentieth-Century Latin America - CUE, WR	
HIST 534	The U.S. and Latin America - CUE, WR	
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR	
HIST 540	Advanced Studies in History - CUE, WR	
HIST 542	Studies in Graeco-Roman History - CUE, WR	
HIST 547	Studies in Russian History - CUE, WR	

HIST 550	Studies in Ancient History - CUE, WR	
HIST 551	Studies in Medieval History - CUE, WR	
HIST 559	U.S. and the Cold War Policy - CUE, WR	
HIST 561	U.S. and Vietnam - CUE, WR	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 565	Women and Sexuality in the Middle East - CUE, WR	
HIST 571	The Renaissance - CUE, WR	
HIST 577	The French Revolution and Napoleon - CUE, WR	
HIST 579	History of European Ideas: Selected Topics - CUE, WR	
HIST 582	Contemporary Europe 1945-Present - CUE, WR	
HIST 583	Women in the Twentieth Century in Europe and the U.S. - CUE, WR	
HIST 590	Studies in African History - CUE, WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
HIST 592	Civilizations of Modern India - CUE, WR	
HIST 593	American Image of the Middle East - CUE	
HIST 596	History of the Future - CUE, WR	
HIST 599	Oral History - CUE, WR	

- 1 Completion of the intermediate level of a single foreign language
- 2 In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- 3 May be incorporated into other degree requirements
- 4 Courses numbered HIST 310, HIST 410, HIST 498, HIST 499, HIST 501, HIST 502, HIST 503 and HIST 540 may at times also fulfill area requirements; consult History Department
- 5 Includes courses on the Middle East
- 6 Once a student has declared a History major, the student must enroll in HIST 304 as 3 of the next 12 History credit hours. A grade of C or better must be earned in HIST 304
- 7 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Tracks

Track in Humanities

Academic Plan Code(s): HISTBA_HUM

Code	Title	Hours
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Electives in the Division of Humanities at the 300 level or above		15
Minimum Electives		11
Minimum Total Hours		29

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

Track in Social Sciences

Academic Plan Code(s): HISTBA_SSC

Code	Title	Hours
	Electives in one department in the Social Sciences Division, other than History ¹	6
	Electives in a second department in the Social Sciences Division, other than History ¹	6
	Electives in Social Sciences Division, other than History, at the 300 level or above	6
	Minimum Electives	11
	Minimum Total Hours	29

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

¹ In addition to courses counted toward General Education

Flight Plan

Track in Humanities

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
	Foreign Language 1	4
	General Education: Cardinal Core Quantitative Reasoning - QR	3
	Hours	14
Spring		
ENGL 102	Intermediate College Writing - WC	3
HIST 102	History of Civilizations II - D2, SBH	3
	Foreign Language 2	4
	General Education: Cardinal Core Social & Behavioral Sciences - SB	3
	General Education: Cardinal Core Natural Sciences with Lab - S+SL or B	4
	Hours	17
Year 2		
Fall		
	General Education: Cardinal Core Arts & Humanities - AH	3
	General Education: Cardinal Core Natural Sciences - S	3
	Foreign Language 3	4
	General Elective	3
	General Elective	3
	Hours	16
Spring		
	General Education: Cardinal Core Arts & Humanities - AH	3
	General Education: Cardinal Core Oral Communication - OC	3
	Humanities Elective (300 level or above)	3
	General Elective	3
	General Elective	3
	Hours	15
Year 3		
Fall		
HIST 211	American History I - D1, SBH	3
HIST 304	Historical Methods - WR	3
	Humanities Elective (300 level or above)	3
	Humanities Elective (300 level or above)	3

General Elective		3
	Hours	15
Spring		
HIST 212	American History II - D1, SBH	3
	History: Premodern World Area (300 level or above)	3
	History: Asian/African/Latin American Area (300 level or above)	3
	Humanities Elective (300 level or above)	3
	Humanities Elective (300 level or above)	3
	Hours	15
Year 4		
Fall		
	History: European Area (300 level or above)	3
	History: Asian/African/Latin American Area (300 level or above)	3
	History Elective (500 level)	3
	History CUE Requirement	3
	General Elective	3
	Hours	15
Spring		
	History Elective & WR (500 level)	3
	History Elective (300 level or above)	3
	History: US Area (300 level or above)	3
	Select one of the following:	3
	HUM 591 Perspectives on Ancient Culture - WR	
	HUM 592 Perspectives on Medieval Culture - WR	
	HUM 593 Perspectives on Early Modern Culture - WR	
	HUM 594 Perspectives on Modern Culture - WR	
	HUM 595 Principles of Cultural History - WR	
	HUM 596 Selected Perspectives in Humanities - WR	
	General Elective	3
	Hours	15
	Minimum Total Hours	122

Track in Social Sciences

Course	Title	Hours
Year 1		
Fall		
GEN 101 or GEN 100	Arts and Sciences Orientation or Student Success Center Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
	General Education: Cardinal Core Oral Communication - OC	3
	General Education: Cardinal Core Quantitative Reasoning - QR	3
	Foreign Language 1	4
	Hours	17
Spring		
ENGL 102	Intermediate College Writing - WC	3
HIST 102	History of Civilizations II - D2, SBH	3
	Foreign Language 2	4
	General Education: Cardinal Core Natural Science with Lab - S+SL or B	4
	Hours	14
Year 2		
Fall		
	General Education: Cardinal Core Social & Behavioral Sciences - SB	3
	General Education: Cardinal Core Arts & Humanities - AH	3
	General Education: Cardinal Core Natural Sciences - S	3
	Social Science Elective (other than History)	3
	Foreign Language 3	4
	Hours	16
Spring		
	General Education: Cardinal Core Arts & Humanities - AH	3

Humanities or Natural Science Elective	3
Social Science Elective (other than History)	3
General Elective	3
General Elective	3
Hours	15
Year 3	
Fall	
HIST 211 American History I - D1, SBH	3
HIST 304 Historical Methods - WR	3
Social Science Elective (other than History at 300 level)	3
Social Science Elective (other than History)	3
Humanities or Natural Science Elective (300 level or above)	3
Hours	15
Spring	
HIST 212 American History II - D1, SBH	3
History: Premodern Area (300 level or above)	3
History: Asian/African/Latin American Area (300 level or above)	3
Social Science Elective (other than History at 300 level)	3
Social Science Elective (other than History)	3
Hours	15
Year 4	
Fall	
History: US Area (300 level or above)	3
History: European Area (300 level or above)	3
History: Asian/African/Latin American Area (300 level or above)	3
History Elective, WR (500 Level)	3
Humanities or Natural Science Elective (300 level or above)	3
Hours	15
Spring	
History Elective (500 level)	3
History Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
Social Science Elective (300 level or above)	3
History CUE Requirement	3
Hours	15
Minimum Total Hours	122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

History with 3+3 Track to Law (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in History with a 3+3 Track to Law

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: History (<http://louisville.edu/history>)
Academic Plan Code(s): HISTBA_3+3

Program Information

The College of Arts & Sciences and the Louis D. Brandeis School of Law have joined forces to create 3+3 Accelerated Law programs that allow eligible students in the College of Arts & Sciences to begin law school in their senior year of undergraduate study. Students substitute undergraduate major requirements with the first 30 hours of law school, earning an undergraduate degree after their first year of law school and a Juris Doctor (JD) degree two years later.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	69
	Minimum Total Hours	122

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in History requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major. A 3.5 GPA is recommended by the School of Law (see below).

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Admission to Law School

Admission to the 3+3 track does not guarantee admission to the law school. Students seeking admission to law school must complete a law school application and satisfy all of Brandeis' admissions requirements, including its median GPA and LSAT expectations.

It is recommended that students planning to pursue this track have a minimum cumulative GPA of 3.5.

For more information on Brandeis and its admissions requirements, please contact the law school's Office of Admissions. The office can also arrange for you to visit the law school and to sit in on a class.

Brandeis School of Law Office of Admissions (<http://louisville.edu/law/admissions>)

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

HIST 101	History of Civilizations I - D2, SBH (additional required courses also satisfy the SBH & D2 requirements)
HIST 211	American History I - D1, SBH (additional required courses also satisfy the SBH & D1 requirements)

Courses above satisfy the SBH, D1 and D2 requirements; students will need to complete an additional course designated SB or SBH to complete the Social & Behavioral Sciences Requirement.

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Humanities or Natural Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of History⁴		
HIST 101 & HIST 102	History of Civilizations I - D2, SBH History of Civilizations II - D2, SBH	6
HIST 211 & HIST 212	American History I - D1, SBH American History II - D1, SBH	6

Pre-Modern World		
Select one of the following:		3
HIST 301	Early Political Thought	
HIST 340	Ancient Mediterranean World	
HIST 341	The Ancient Near East	
HIST 342	Ancient Greece	
HIST 343	The Roman World	
HIST 345	Culture of the Ancient Near East	
HIST 346	Greek and Roman Culture	
HIST 350	Origins of Christianity	
HIST 351	Medieval Europe I	
HIST 352	Medieval Europe II	
HIST 356	Islamic Middle East	
HIST 393	African History Before 1800 - D2, SBH	
HIST 542	Studies in Graeco-Roman History - CUE, WR	
HIST 551	Studies in Medieval History - CUE, WR	
HIST 555	English Medieval History, 1066 to 1500 - WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
Asia, Africa, Latin American Area (AALA)⁵		6
Select two of the following:		
HIST 313	Comparative Environmental History	
HIST 331	Colonial Latin America	
HIST 332	Latin America, 1820 to Present	
HIST 333	Women in Latin American History	
HIST 341	The Ancient Near East	
HIST 345	Culture of the Ancient Near East	
HIST 350	Origins of Christianity	
HIST 356	Islamic Middle East	
HIST 357	Middle Eastern History, 1453 to the Present - WR	
HIST 362	The United States and the Middle East	
HIST 367	British Imperialism	
HIST 376	War in the Modern Middle East - WR	
HIST 377	The Ottoman Empire to 1800	
HIST 378	The Ottoman Empire and Modern Turkey from 1800 - WR	
HIST 393	African History Before 1800 - D2, SBH	
HIST 394	African History Since 1800 - D2, SBH	
HIST 395	Contemporary Africa	
HIST 396	History of India	
HIST 397	Traditional China	
HIST 398	Modern China	
HIST 399	Modern Japan: Imperialism and Democracy	
HIST 533	Twentieth-Century Latin America - CUE, WR	
HIST 534	The U.S. and Latin America - CUE, WR	
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 565	Women and Sexuality in the Middle East - CUE, WR	
HIST 584	Women in East Asian History	
HIST 590	Studies in African History - CUE, WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	

HIST 592	Civilizations of Modern India - CUE, WR	
HIST 593	American Image of the Middle East - CUE	
HIST 594	Studies in Middle Eastern History - WR	
HIST 598	Nationalism and Modernity in East Asia	
HIST 304	Historical Methods - WR ⁶	3
History electives at the 300 level or above		6
History electives at the 500 level ⁷		6
Free elective		3
Law School Courses		
LAW 802	Torts I	3
LAW 803	Torts II	3
LAW 804	Contracts I	3
LAW 805	Contracts II	3
LAW 806	PROPERTY I	3
LAW 807	PROPERTY II	3
LAW 808	Civil Procedure I	3
LAW 810	Criminal Law	3
LAW 811	Lawyering Skills I	3
LAW 812	Lawyering Skills II	3
Minimum Total Hours		69

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

Six hours of required 500-level history courses must be completed with a grade of C or better.

One elective should be an approved CUE course (see list below).

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
HIST 401	Cooperative Internship in History - CUE	
HIST 504	Philosophy of History - CUE, WR	
HIST 508	American Environmental History - CUE, WR	
HIST 511	History of the Old South - CUE, WR	
HIST 512	History of the Jews in America - CUE, WR	
HIST 518	Antebellum United States, 1800-1860 - CUE, WR	
HIST 521	Colonial America to 1765 - CUE, WR	
HIST 522	The American Revolution and the Confederation - CUE, WR	
HIST 524	United States Civil War and Reconstruction - CUE, WR	
HIST 528	Recent American History, 1929-1945 - CUE, WR	
HIST 529	Recent American History, 1945 to Present - CUE, WR	
HIST 533	Twentieth-Century Latin America - CUE, WR	
HIST 534	The U.S. and Latin America - CUE, WR	
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR	
HIST 540	Advanced Studies in History - CUE, WR	
HIST 542	Studies in Graeco-Roman History - CUE, WR	
HIST 550	Studies in Ancient History - CUE, WR	
HIST 551	Studies in Medieval History - CUE, WR	
HIST 559	U.S. and the Cold War Policy - CUE, WR	

HIST 561	U.S. and Vietnam - CUE, WR	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 565	Women and Sexuality in the Middle East - CUE, WR	
HIST 571	The Renaissance - CUE, WR	
HIST 577	The French Revolution and Napoleon - CUE, WR	
HIST 579	History of European Ideas: Selected Topics - CUE, WR	
HIST 582	Contemporary Europe 1945-Present - CUE, WR	
HIST 583	Women in the Twentieth Century in Europe and the U.S. - CUE, WR	
HIST 590	Studies in African History - CUE, WR	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
HIST 592	Civilizations of Modern India - CUE, WR	
HIST 593	American Image of the Middle East - CUE	
HIST 596	History of the Future - CUE, WR	
HIST 599	Oral History - CUE, WR	

- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education; 6 hours must be at 300 level or above.
- ³ May be incorporated into other degree requirements
- ⁴ Courses numbered HIST 310, HIST 410, HIST 498, HIST 499, HIST 501, HIST 502, HIST 503 and HIST 540 may at times also fulfill area requirements; consult History Department
- ⁵ Includes courses on the Middle East
- ⁶ Fulfills WR requirement
- ⁷ Once a student has declared a History major, the student must enroll in HIST 304 as 3 of the next 12 History credit hours. A grade of C or better must be earned in HIST 304

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100	Student Success Center Orientation	1
or GEN 101	or Arts and Sciences Orientation	
ENGL 101	Introduction to College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social/Behavioral - SB		3
Foreign Language 1		4
Hours		17
Spring		
ENGL 102	Intermediate College Writing - WC	3
HIST 102	History of Civilizations II - D2, SBH	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 2		4
Hours		17
Year 2		
Fall		
General Education: Cardinal Core Arts and Humanities - AH		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 3		4
HIST 211	American History I - D1, SBH	3
HIST 304	Historical Methods - WR	3
Hours		16

Spring		
HIST 212	American History II - D1, SBH	3
History Elective (300 level or above)		3
History Pre-Modern World Area Course (300 level or above)		3
History AALA Area Course (300 level or above)		3
General Education: Cardinal Core Arts and Humanities - AH		3
Hours		15
Year 3		
Fall		
Humanities or Natural Science Elective (300 level or above)		3
History AALA Course (300 level or above)		3
History Elective (500 level)		3
History Elective (500 level)		3
Free elective		3
Hours		15
Spring		
History WR Elective (300 level or above)		3
History CUE Requirement (500 level)		3
Humanities or Natural Science Elective (300 level or above)		3
Humanities or Natural Science WR Elective (300 level or above)		3
Hours		12
Year 4		
Fall		
LAW 802	Torts I	3
LAW 804	Contracts I	3
LAW 806	PROPERTY I	3
LAW 810	Criminal Law	3
LAW 811	Lawyering Skills I	3
Hours		15
Spring		
LAW 803	Torts II	3
LAW 805	Contracts II	3
LAW 807	PROPERTY II	3
LAW 808	Civil Procedure I	3
LAW 812	Lawyering Skills II	3
Hours		15
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Humanities (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Humanities

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Comparative Humanities (<http://louisville.edu/humanities>)
Academic Plan Code(s): See Track Requirements tab.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Program Information

The Department of Comparative Humanities explores the question, what does it mean to be human? Using many humanities disciplines such as literature, religion, Jewish Studies, film, philosophy, theatre, music, visual arts, and linguistics, our courses and our major invite students to explore the answers to this question from global, historical, and contemporary viewpoints.

Students are challenged to develop critical reading, writing, and thinking skills, but they are also challenged through project-based assignments that inspire them to apply what they have learned in creative and complex ways.

As a result, the degree provides flexible, transferable skills that prepare our graduates for the dynamic contemporary job market.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		50
Track Requirements		18
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/MA in Humanities

BA students who pursue an accelerated master's degree will be allowed to apply up to 9 credit hours of coursework taken for graduate credit towards their baccalaureate degree. Twenty-one (21) additional credit hours of graduate coursework will constitute the minimum number of credit hours for obtaining the MA.

Students must apply no later than the end of the junior year for admission to the accelerated program. A minimum overall grade point average and major grade point average of 3.35 will be required for admission to and for retention in the program.

The guidelines for the Accelerated BA/MA in Humanities are as follows:

- A maximum of 9 credit hours taken for graduate credit will also apply to the requirements for the BA degree in Humanities.
- The accelerated BA/MA in Humanities will be offered for the Interdisciplinary Humanities Concentration and for the Linguistics Concentration, but not for the Concentration in Humanities and Civic Leadership.
- Students who enroll in the accelerated BA/MA in Humanities may elect the thesis or non-thesis option, which ever is appropriate to the concentration and course of study.
- All students in the program will take either HUM 609 or HUM 610 to fulfill the Methodology requirement.
- All requirements remain the same, including the foreign language requirement.

Departmental Admission Requirements

Admission to the BA in Humanities requires completion of 15 semester hours and a minimum cumulative grade point average of 2.0.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA/MA in Humanities

- Students must apply no later than the end of the junior year for admission to the accelerated program.
- A minimum overall grade point average and major grade point average of 3.35 will be required for admission to and for retention in the program.
- Student must complete the GRE and fill out the Humanities Division application for the accelerated BA/MA in Humanities.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

LING 330	Language and Culture - AH, D1
HUM 105	Introduction to Comparative Humanities - AH, D2

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
	Foreign Language ¹	12
	Electives in Natural Sciences or Social Sciences ^{2,3,4}	9
	WR—two approved courses at the 300 level or above ⁵	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
HUM 105	Introduction to Comparative Humanities - AH, D2	3
HUM 310	Religion and Culture	3
HUM 320	Research and Writing in the Humanities - AH, WR	3
HUM 326	Studies in Film and Culture	3
HUM 331	Humanities and Gender - AH, D2	3
HUM 509	Interdisciplinary Approaches: Arts and Humanities - CUE, WR ⁶	3
or HUM 510	Methods and Theories in the Study of Religion - CUE, WR	
HUM 595	Principles of Cultural History - WR	3
LING 330	Language and Culture - AH, D1	3
Supporting Courses		
	History elective at 300 level or above in area of track	3
	Minimum Electives ⁷	23
Track Requirements		18
Minimum Total Hours		68

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
HUM 509	Interdisciplinary Approaches: Arts and Humanities - CUE, WR	
	or HUM 510 Methods and Theories in the Study of Religion - CUE, WR	

- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education
- ³ 3 hours must be at the 300 level or above

- ⁴ Additional 3 hours of college programmatic requirement is met in supporting courses.
- ⁵ May be incorporated into other degree requirements
- ⁶ Chosen in consultation with the Humanities Advisor
- ⁷ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Track Requirements

Track in Comparative Cultural Studies

Academic Plan Code(s): HUM_BA_CLT

Code	Title	Hours
HUM 304	Culture of the Modern Period	3
HUM 322	Modern Fiction: Twentieth Century	3
HUM 591	Perspectives on Ancient Culture - WR	3
or HUM 592	Perspectives on Medieval Culture - WR	
or HUM 593	Perspectives on Early Modern Culture - WR	
or HUM 594	Perspectives on Modern Culture - WR	
One 300-level HUM course in period or field of focus ¹		3
One 500-level course in period or field of focus ¹		3
One course in period or field of focus ¹		3
Minimum Total Hours		18

¹ Consult with an academic advisor

Track in Film Studies

Academic Plan Code(s): HUM_BA_FST

Code	Title	Hours
HUM 224	Introduction to Film - AH, D2	3
HUM 324	Approaches to Film Interpretation	3
HUM 524	Special Topics in Film Study	3
Select three courses from the following:		9
FREN 328	French Cinema	
HUM 325	Survey of Film and Culture	
HUM 326	Studies in Film and Culture	
PAS 312	African Americans in American Media	
PAS 341	Black Film and Literature - AH, D1	
POLS 552	Politics through Film	
SPAN 554	Hispanic Culture through Film and Media	
Minimum Total Hours		18

Track in Linguistics

Academic Plan Code(s): HUM_BA_LIN

Code	Title	Hours
LING 325	Introduction to Linguistics	3
LING 326	Syntax	3
LING 520	World Englishes	3
Nine credit hours in LING at the 300-level or above		9
Minimum Total Hours		18

Track in Religious Studies

Academic Plan Code(s): HUM_BA_REL

Code	Title	Hours
HUM 216	Introduction to World Religions - AH, D2	3
HUM 308	Studies of Religion - AH	3
HUM 510	Methods and Theories in the Study of Religion - CUE, WR	3
Nine credit hours in Religious Studies at the 300-level or above ²		9
Minimum Total Hours		18

² Electives in Religious Studies may be taken from the following courses: HUM 306, HUM 308, HUM 309, HUM 310, HUM 311, HUM 312, HUM 313, HUM 314, HUM 315, HUM 316, HUM 317, HUM 319, HUM 335, HUM 336, HUM 340, HUM 341, HUM 343, HUM 344, HUM 349, HUM 510, HUM 511, HUM 512, HUM 514, and HUM 516.

Flight Plan

Track in Comparative Cultural Studies

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HUM 105	Introduction to Comparative Humanities - AH, D2	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 1		4
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
LING 330	Language and Culture - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
HUM 310	Religion and Culture	3
HUM 331	Humanities and Gender - AH, D2	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 3		3-4
Hours		15-16
Spring		
HUM 320	Research and Writing in the Humanities - AH, WR	3
HUM 326	Studies in Film and Culture	3
History elective in area of track (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 4 (if needed) or general elective		3
Hours		15
Year 3		
Fall		
HUM 304	Culture of the Modern Period	3
Choose one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	

HUM 592	Perspectives on Medieval Culture - WR	
Elective in Natural Science or Social Science		3
General elective		3
General elective		3
Hours		15
Spring		
HUM 322	Modern Fiction: Twentieth Century	3
HUM 595	Principles of Cultural History - WR	3
300 level HUM course in period or field of focus		3
Elective in Natural Science or Social Science (300 level or above)		3
General Elective (300 level or above)		3
Hours		15
Year 4		
Fall		
HUM 509	Interdisciplinary Approaches: Arts and Humanities - CUE, WR	3
Elective in Natural Science or Social Science (300 level or above)		3
General elective		3
General elective		3
General elective		3
Hours		15
Spring		
HUM 594	Perspectives on Modern Culture - WR	3
500-level course in period or field of focus		3
General elective		3
General elective		3
General elective		3
Hours		15
Minimum Total Hours		120-122

Track in Film Studies

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HUM 105	Introduction to Comparative Humanities - AH, D2	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 1		3-4
Hours		14-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
LING 330	Language and Culture - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 2		3-4
Hours		15-17
Year 2		
Fall		
HUM 224	Introduction to Film - AH, D2	3
HUM 310	Religion and Culture	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Foreign Language 3		3-4
General elective		3
Hours		18-19
Spring		
HUM 320	Research and Writing in the Humanities - AH, WR	3

HUM 326	Studies in Film and Culture	3
History elective in area of track (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 4 (if needed) or general elective		3
Hours		15

Year 3		
Fall		
HUM 324	Approaches to Film Interpretation	3
HUM 331	Humanities and Gender - AH, D2	3
Film Studies Elective 1		3
Elective in Social Science or Natural Science		3
General elective		3
Hours		15

Spring		
HUM 595	Principles of Cultural History - WR	3
Film Studies Elective 2		3
Elective in Natural Science or Social Science (300 level or above)		3
General elective		3
General elective		3
Hours		15

Year 4		
Fall		
HUM 509	Interdisciplinary Approaches: Arts and Humanities - CUE, WR	3
Film Studies Elective 3		3
Elective in Natural Science or Social Science (300 level or above)		3
General elective		3
General elective		3
Hours		15

Spring		
HUM 524	Special Topics in Film Study	3
General elective		3
General elective		3
General elective		3
General elective		3
Hours		15
Minimum Total Hours		122-126

Track in Linguistics

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HUM 105	Introduction to Comparative Humanities - AH, D2	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 1		3-4
Hours		14-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 2		3-4
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
LING 325	Introduction to Linguistics	3
Hours		15-16
Year 2		
Fall		
HUM 310	Religion and Culture	3
LING 330	Language and Culture - AH, D1	3
General Education: Cardinal Core Oral Communication - OC		3

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Foreign Language 3	3-4
Hours	15-16
Spring	
HUM 320 Research and Writing in the Humanities - AH, WR	3
HUM 326 Studies in Film and Culture	3
History elective in area of track (300 level or above)	3
General Education: Cardinal Core Natural Sciences - S	3
Foreign Language 4 (if needed) or general elective	3
Hours	15
Year 3	
Fall	
HUM 331 Humanities and Gender - AH, D2	3
LING elective (300 level or above)	3
Elective in Natural Sciences or Social Sciences	3
General elective	3
General elective	3
Hours	15
Spring	
HUM 595 Principles of Cultural History - WR	3
LING 326 Syntax	3
LING elective (300 level or above)	3
Elective in Natural Sciences or Social Sciences (300 level or above)	3
General elective	3
Hours	15
Year 4	
Fall	
HUM 509 Interdisciplinary Approaches: Arts and Humanities - CUE, WR	3
LING elective (300 level or above)	3
Elective in Natural Sciences or Social Sciences (300 level or above)	3
General elective	3
General elective	3
Hours	15
Spring	
LING 520 World Englishes	3
General elective	3
General elective	3
General elective	3
General elective	3
Additional elective hours to reach minimum for degree (as needed)	1-0
Hours	16-15
Minimum Total Hours	120-122

Track in Religious Studies

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HUM 105	Introduction to Comparative Humanities - AH, D2	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 1		3-4
Hours		14-15
Spring		
LING 330	Language and Culture - AH, D1	3
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4

Foreign Language 2		3-4
Hours		15-17
Year 2		
Fall		
HUM 216	Introduction to World Religions - AH, D2	3
HUM 310	Religion and Culture	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Foreign Language 3		3-4
Hours		15-16
Spring		
HUM 320	Research and Writing in the Humanities - AH, WR	3
HUM 326	Studies in Film and Culture	3
History elective in area of track (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 4 (if needed) or general elective		3
Hours		15
Year 3		
Fall		
HUM 308	Studies of Religion - AH	3
HUM 331	Humanities and Gender - AH, D2	3
Religious Studies elective (300 level or above)		3
Elective in Natural Sciences or Social Sciences		3
General elective		3
Hours		15
Spring		
HUM 595	Principles of Cultural History - WR	3
Religious Studies elective (300 level or above)		3
Elective in Natural Sciences or Social Sciences (300 level or above)		3
General elective		3
General elective		3
Hours		15
Year 4		
Fall		
HUM 509	Interdisciplinary Approaches: Arts and Humanities - CUE, WR	3
Religious Studies Elective (300 level or above)		3
Elective in Natural Sciences or Social Sciences (300 level or above)		3
General elective		3
General elective		3
Hours		15
Spring		
HUM 510	Methods and Theories in the Study of Religion - CUE, WR	3
General elective		3
General elective		3
General elective		3
General elective		3
Additional elective hours to reach minimum for degree (as needed)		1-0
Hours		16-15
Minimum Total Hours		120-123

Degree Audit Report

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Flight Planner

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Individualized Major (Liberal Studies) (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts Individualized Major

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Liberal Studies (<http://louisville.edu/liberalstudies>)
Academic Plan Code(s): LBSTBA

Program Information

The Individualized Major (formerly Liberal Studies) program offers eligible students an opportunity to design an individualized major, through a multi-disciplinary curriculum. Once the student has identified a goal or interest, the Liberal Studies Program advisor offers guidance in creating a personalized degree program.

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
	College/School Requirements	13
	Program/Major Requirements	77
	Minimum Total Hours	121

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Eligibility criteria and information regarding admission into the major may be found at louisville.edu/liberalstudies/prospective-majors/admission-to-liberal-studies.

Requirements include the completion of 45 credit hours and a minimum 2.75 cumulative grade point average on all college work. Proposals must be approved by the program director prior to admission into the major.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	WR—two approved courses at the 300 level or above ²	
	Minimum Total Hours	13

Program/Major Requirements

Code	Title	Hours
Liberal Studies Program		
LBST 300	Forms of Interdisciplinary Inquiry	3
ENGL 309	Inquiries in Writing - WR ³	3
LBST 401	Senior Capstone Project - CUE	1
Concentrations ⁴		
	First Concentration (approved A&S minor)	18-24
	Second Concentration ⁵	12-18
	Third Concentration ⁶	12-18
Electives		
	Minimum Electives	10-28
	Minimum Total Hours	77

At least 50 of the total minimum hours required must be at the 300 level or above with at least six credit hours in each of two of the three Divisions of the College of Arts & Sciences.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
LBST 401	Senior Capstone Project - CUE	

- 1 Completion of the intermediate level of a single foreign language
- 2 May be incorporated into other degree requirements
- 3 Fulfills one WR requirement
- 4 General Education courses may not be counted in the concentrations, except in cases where a General Education requirement course is a departmental requirement for completion of the minor.
- 5 Students identifying Middle Grades Education as their goal may substitute a state-approved "Teaching Field" for the department minor. If two teaching fields are selected, a third concentration is unnecessary. See program advisor for additional information.
- 6 Students pursuing an Individualized Major may include course credits from University of Louisville units outside the College of Arts and Sciences. These include the College of Business, College of Education and Human Development, J.B. Speed School of Engineering, Brandeis School of Law, School of Music, School of Nursing, School of Public Health and Information Sciences, and the Kent School of Social Work. No more than 30 hours earned outside the College of Arts and Sciences may be applied to the Individualized Major.

Concentration 1 Course (A&S Minor)	3
Concentration 2 Course	3
Concentration 3 Course	3
Hours	15
Spring	
Concentration 1 Course (A&S Minor)	3
Concentration 2 Course	3
Concentration 3 Course	3
General Elective (300+)	3
General Elective	3
Hours	15
Year 4	
Fall	
Concentration 1 Course (A&S Minor)	3
Concentration 2 Course	3
Concentration 3 Course	3
General Elective (300+)	3
General Elective	3
Hours	15
Spring	
LBST 401	Senior Capstone Project - CUE (CUE)
	1
Concentration Course as needed or General Elective	3
Concentration Course as needed or General Elective	3
Concentration Course as needed or General Elective	3
Concentration Course as needed or General Elective	3
Concentration Course as needed or General Elective	3
Concentration Course as needed or General Elective	3-1
Hours	16-14
Minimum Total Hours	121

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 1		3-4
Hours		14-15
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Concentration 1 Course (A&S Minor)		3
Foreign Language 3		4
Hours		16
Spring		
LBST 300	Forms of Interdisciplinary Inquiry	3
ENGL 309	Inquiries in Writing - WR	3
Concentration 1 Course (A&S Minor)		3
Concentration 2 Course		3
Concentration 3 Course		3
Hours		15
Year 3		
Fall		
WR Course (300 level or above)		3
Concentration 1 Course (A&S Minor)		3

Degree Audit Report

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Industrial Engineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Industrial Engineering

Unit: Speed School of Engineering (SS) (<https://engineering.louisville.edu>)

Department: Industrial Engineering (<http://engineering.louisville.edu/industrial>)

Academic Plan Code(s): IE_ _BIE

Program Information

Students specializing in Industrial Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Industrial Engineering—ten semesters in Departmental Studies—to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Industrial Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>). The Master of Engineering in Industrial Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	(19 hours of General Education requirements may be satisfied through coursework required by the degree program)	
	College/School Requirements ¹	38
	Program/Major Requirements	74
	Minimum Total Hours	124

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree in the **minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA ≥ 2.25).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
ENGR 101	Engineering Analysis I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

College/School Requirements

Code	Title	Hours
Speed School Core		
CHEM 201	General Chemistry I - S ²	3
CHEM 207	Introduction to Chemical Analysis I - SL ²	1
COMM 111	Introduction to Public Speaking - OC	3
	or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC ^{2,3}	3
ENGL 102	Intermediate College Writing - WC ^{2,3}	3
ENGR 101	Engineering Analysis I - QR ²	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ²	4
Engineering Fundamentals⁴		
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 330	Linear Algebra for Engineering	2
	Minimum Total Hours	38

Program/Major Requirements

Code	Title	Hours
Industrial Engineering Department		
IE 240	Fundamentals of Industrial Engineering	3
IE 250	Data Management and Spreadsheet Modelings for Industrial Engineering	3
IE 288	Industrial Engineering Cooperative Education Seminar	0
IE 289	Industrial Engineering Cooperative Education I	1
IE 320	Manufacturing Processes	4
IE 360	Probability and Statistics for Engineers	3
IE 370	Engineering Economic Analysis	3
IE 380	Work Design	3
IE 389	Industrial Engineering Cooperative Education II	1
IE 421	Facility Location and Layout	3
IE 425	Production and Inventory Control	3
IE 430	Quality Control	3
IE 489	Industrial Engineering Cooperative Education III	1
IE 499	IE Capstone Design - CUE (CUE)	3
IE 515	Operations Research Methods	3
IE 516	Stochastic Operations Research	3
IE 541	Simulation	3
IE 563	Experimental Design in Engineering	3
IE 580	Introduction to Human Factors Engineering and Ergonomics	3
IE Electives		6
Industrial Engineering Core		
CHEM 202	General Chemistry II - S	3
PHYS 295	Introductory Laboratories I - SL	1
Supporting Courses		
CECS 130	Introduction to Programming Languages	3
CEE 205	Mechanics I: Statics	3
CHE 253	Materials Science	3
ECE 252	Introduction to Electrical Engineering	3
ME 251	Thermodynamics I	3
Minimum Total Hours		74

A student may accumulate no more than two D-minus, D, or D+ grades in IE prefixed courses to graduate with a baccalaureate degree. For any additional D-minus, D, or D+ grades beyond two, the student must repeat the course to earn a better grade.

Candidates for the Bachelor of Science degree must be in good standing (university GPA ≥ 2.25) and must attain a GPA of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
IE 499	IE Capstone Design - CUE	

¹ To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

² This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.

³ Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.

⁴ Acceptance into a Department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing with the university (university GPA ≥ 2.25).

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		16
Spring		
CHEM 202	General Chemistry II - S	3
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		17
Summer		
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
CEE 205	Mechanics I: Statics	3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		11
Year 2		
Fall		
CECS 130	Introduction to Programming Languages	3
COMM 111 or COMM 112	Introduction to Public Speaking - OC or Business and Professional Speaking - OC	3
ENGR 205	Differential Equations for Engineering	2
IE 240	Fundamentals of Industrial Engineering	3
IE 250	Data Management and Spreadsheet Modelings for Industrial Engineering	3
IE 288	Industrial Engineering Cooperative Education Seminar	0
IE 380	Work Design	3
Hours		17

Spring		
IE 289	Industrial Engineering Cooperative Education I	1
	Hours	1
Summer		
IE 360	Probability and Statistics for Engineers	3
CHE 253	Materials Science	3
ENGR 330	Linear Algebra for Engineering	2
IE 370	Engineering Economic Analysis	3
	Hours	11
Year 3		
Fall		
IE 389	Industrial Engineering Cooperative Education II	1
	Hours	1
Spring		
ECE 252	Introduction to Electrical Engineering	3
IE 320	Manufacturing Processes	4
IE 425	Production and Inventory Control	3
IE 430	Quality Control	3
ME 251	Thermodynamics I	3
	Hours	16
Summer		
IE 489	Industrial Engineering Cooperative Education III	1
	Hours	1
Year 4		
Fall		
IE 421	Facility Location and Layout	3
IE 515	Operations Research Methods	3
IE 541	Simulation	3
IE 580	Introduction to Human Factors Engineering and Ergonomics	3
Industrial Engineering Elective ³		3
	Hours	15
Spring		
IE 499	IE Capstone Design - CUE	3
IE 516	Stochastic Operations Research	3
IE 563	Experimental Design in Engineering	3
Industrial Engineering Elective		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
	Hours	18
	Minimum Total Hours	124

Degree Audit Report

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3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Latin American and Latino Studies (BA)



Latin American & Latino Studies

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Latin American and Latino Studies

Unit: College of Arts and Sciences (AS) (<https://www.louisville.edu/artsandsciences>)

Program: Latin American and Latino Studies (<http://louisville.edu/latinamericanstudies>)

Academic Plan Code(s): LALSBA

Program Information

Latin American and Latino Studies at the University of Louisville is an interdisciplinary program that promotes an understanding and appreciation for the diverse cultures of Latin America and Latino communities in the United States, with the ultimate objective of preparing students to become engaged citizens in our global society.

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the LALS Director.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in Latin American and Latino Studies requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

LALS 310	Introduction to Latin American Studies - D2, SB	
LALS 311	Introduction to Latino Studies - D1, SB	
Combined, LALS 310 and LALS 311 satisfy 3 hours of SB requirement as well as the D1 & D2 requirements. Certain approved electives (e.g. COMM 350 or TA 365) may also satisfy general education requirements.		

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Humanities or Natural Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Program in Latin American and Latino Studies		
LALS 310	Introduction to Latin American Studies - D2, SB	3
LALS 311	Introduction to Latino Studies - D1, SB	3
LALS 400	Latin American and Latino Studies Internship - CUE, WR	3

Language Requirement

Spanish or Portuguese at the 200 level, or demonstration of equivalent language proficiency	3
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Humanities

Select two of the following:	6	
ARTH 342	Selected Topics in Art History	
ARTH 365	Mexican Art and Architecture	
ARTH 542	Special Topics	

ARTH 544	Pan-African Art: Form and Content	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 373	Women and Global Literature - AH, D2	
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE	
ENGL 554	Women's Personal Narratives - CUE	
HUM 377	African-American Religion - AH, D1	
HUM 380	Culture of Iberia-Latin America	
HUM 382	Native American Cultures	
LALS 200	Exploring Latin America - AH, D2	
LALS 313	Panamanian Culture - D2, SB	
M L 260	Introduction to Hispanic Culture - AH, D2	
M L 313	Special Topics in Language, Literature, or Culture	
M L 356	Latin American Literature	
SPAN 403	Foundations of Latin American Nations and Identities	
SPAN 404	Cultural and Literary Perspectives on Modern Latin America	
SPAN 524	Introduction to Hispanic Linguistics	
SPAN 527	Latin American Literature: Colonial Period through 19th Century	
SPAN 528	Contemporary Spanish-American Theatre	
SPAN 529	Spanish-American Poetry	
SPAN 530	Spanish-American Narrative	
SPAN 554	Hispanic Culture through Film and Media	
TA 326	Cultural Diversity in Performance - AH, D1 ⁴	
TA 365	Theatre of the African World - AH, D2	

Social Sciences ^{5,6}

Select three of the following:	9	
ANTH 316	Ancient Civilizations of Mesoamerica	
ANTH 325	The Anthropology of Latin America - D2, SB	
ANTH 333	Globalizing Inequalities - WR ⁴	
ANTH 338	Anthropology of Refugees	
ANTH 347	Global Capitalisms	
COMM 350	Introduction to Intercultural Communication - D2, SB	
GEOG/LALS 510	Urbanism in the Global South: Cities and Space	
HIST 331	Colonial Latin America	
HIST 332	Latin America, 1820 to Present	
HIST 333	Women in Latin American History	
HIST 533	Twentieth-Century Latin America - CUE, WR ⁴	
HIST 534	The U.S. and Latin America - CUE, WR ⁴	
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR ⁴	
LALS 317	Social Sciences Special Topics in Latino Studies	
LALS 321	Social Science Special Topics in Latin American Studies	
MKT 370	Global Marketing	
PAS 206	Introduction to Caribbean Studies - D2, SB	
PAS 219	Survey of Brazilian Music	
PAS 227	Survey of American Diversity - D1, SB	
PAS 247	Language, Protest and Identity - D1, SB	

PAS 329	Slave Trade and Slavery
PAS 346	African Languages in the Diaspora - D1, SB
PAS 360	African Diaspora in the Caribbean and Latin America
PAS 392	Faces of Global Poverty - WR ⁴
PAS 396	History of the Caribbean
PAS 505	The Black Atlantic
PAS 510	Advanced Topics in Afro-American and African Studies
PAS 532	Slave Trade and Slavery in the African World
PAS 533	The History and Popular Culture of the African Diaspora
PAS 542	Black Women's Voices - WR ⁴
PAS 547	Language, Race, Class and Gender
PAS 581	Pan-African Art: Form and Content
POLS 315	Race, Law and Politics - D1, SB
POLS 330	International Relations
POLS 331	International Organization - WR ⁴
POLS 332	International Law - WR ⁴
POLS 336	Politics of European Integration and Foreign Policy ⁴
POLS 337	Law, Diplomacy and Power
POLS 370	Comparative Political Development in Latin America
POLS 371	Latin America in the World
POLS 495	Senior Seminar - CUE, WR ⁴
POLS 506	Topics in International Relations
POLS 530	International Negotiation
POLS 563	Women in Developing Countries - WR ⁴
SOC 210	Race in the United States - D1, SB
SOC 323	Diversity and Inequality
SOC 392	Faces of Global Poverty - WR ⁴
SOC 454	Social Stratification - CUE, WR ⁴
SOC 464	Race and Ethnicity - CUE, WR ⁴
SW 303	Generalist Practice I
SW 472	Practicum Seminar and Lab I - CUE
SW 473	Practicum Seminar and Lab II
WGST 333	Women in Latin American History
WGST 343	Faces of Global Poverty - WR ⁴
WGST 520	Women's Personal Narratives
WGST 558	Women in Developing Countries - WR ⁴
WGST 593	Topics in Women's, Gender and Sexuality Studies: Humanities
LALS Electives at the 300 level or above ⁷	9
Supporting Courses	
Social Science Electives at the 300 level or above ^{8,9}	6
Humanities Electives at the 300 level or above ^{8,9}	6
Minimum Electives ¹⁰	20
Minimum Total Hours	68

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		

LALS 400	Latin American and Latino Studies Internship - CUE, WR
1	Completion of the intermediate level of a single foreign language
2	In addition to courses counted toward General Education; 6 hours must be at 300 level or above
3	May be incorporated into other degree requirements
4	Fulfills WR requirement
5	6 of the 9 hours must be at the 300 level or above
6	Students also completing a second major in any of the areas listed below may use no more than 6 hours in that Department to fulfill this LALS requirement.
7	Select three courses from above not used to meet the Humanities or Social Science requirements
8	Other than LALS courses, in addition to courses used to complete the College Programmatic Requirements
9	Substitutions may be approved by the LALS Director. Consult the LALS Advisor about Special Topics Courses and Independent Studies that may fulfill requirements for the major. Special Topics Courses that may have LALS content are listed at the bottom of the page.
10	Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Potential LALS-Content Special Topics Courses

Code	Title	Hours
ANTH 562	Special Topics in Cultural Anthropology	3
ARTH 342	Selected Topics in Art History	3
ARTH 542	Special Topics	3
COMM 510	Special Topics in Communication Studies	1-3
HIST 310	Studies in History	3
HIST 503	Advanced Studies in History	3
HON 336	Honors Seminar in Humanities - WR	3
HON 436	Honors Seminar in Humanities (WR) - WR	3
HON 446	Honors Seminar in Social Sciences (WR) - WR	3
HUM 562	Selected Topics	3
M L 551	Special Topics	3
SPAN 313	Special Topics in Spanish Literature, Language, and Culture	3
SPAN 499	Special Topics in Spanish Culture, Literature and Linguistics	3
SPAN 599	Special Topics	3
TA 555	Special Topics in Theatre	1-3

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Spanish or Portuguese Language I		4
General Elective		3
		<hr/>
		Hours
		14
Spring		
ENGL 102	Intermediate College Writing - WC	3

General Education: Cardinal Core Natural Sciences with Lab - B	3
General Education: Cardinal Core Arts & Humanities - AH	3
Spanish or Portuguese Language II	4
General Elective	3
Hours	16
Year 2	
Fall	
General Education: Cardinal Core Arts & Humanities - AH	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
General Education: Cardinal Core Oral Communication - OC	3
Spanish or Portuguese Language III	4
LALS 310 Introduction to Latin American Studies - D2, SB	3
Hours	16
Spring	
General Education: Cardinal Core Natural Sciences - S	3
Humanities or Natural Science Elective	3
General Elective	3
Spanish or Portuguese Language (200 level)	3
LALS 311 Introduction to Latino Studies - D1, SB	3
Hours	15
Year 3	
Fall	
Humanities or Natural Science Elective (300 level or above)	3
Social Science LALS Elective	3
Humanities LALS Elective	3
General Elective	3
WR General Elective (300 level or above)	3
Hours	15
Spring	
Social Science LALS Elective (300 level or above)	3
Humanities LALS Elective	3
Social Science Elective (300 level or above)	3
Humanities Elective (300 level or above)	3
General Elective	3
Hours	15
Year 4	
Fall	
LALS 400 Latin American and Latino Studies Internship - CUE, WR	3
Social Science Elective (300 level or above)	3
Social Science LALS Elective (300 level or above)	3
Humanities or Natural Science Elective (300 level or above)	3
General Elective	3
Hours	15
Spring	
LALS Elective (300 level or above)	3
LALS Elective (300 level or above)	3
LALS Elective (300 level or above)	3
Humanities Elective (300 level or above)	3
General Elective	3
Hours	15
Minimum Total Hours	121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Mathematics (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Mathematics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Mathematics (<http://www.math.louisville.edu>)
Academic Plan Code(s): MATHBA

The Bachelor of Arts in Mathematics is designed for students wishing to obtain a broad yet substantial background in mathematics as well as general education. The Bachelor of Arts covers a wide variety of topics such as algebra, geometry, and probability. This breadth is particularly well-suited for students preparing for secondary certification in mathematics.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA Option in Mathematics

Students must apply for admission to the program no later than the end of the junior year and must have completed MATH 205, MATH 206, MATH 301, and MATH 325, or equivalent courses, prior to application.

Applicants must have a minimum overall GPA of 3.5, and minimum GPA of 3.66 in mathematics courses. As part of the combined degree, students must complete MATH 405 and at least four (4) of the following: MATH 501, MATH 502, MATH 521, MATH 522, MATH 561, MATH 562, or MATH 581, including at least one sequence from among these courses.

The student may take a maximum of nine (9) credit hours for graduate credit, which will also apply to the requirements for the baccalaureate degree in Mathematics. All 600-level courses numbered 689 or below qualify, as do 500-level courses when completed in accord with the stipulations for graduate credit outlined in the syllabus.

Early Start Program (Jointly with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 148 credits are required for the dual degrees: 121 credits of coursework devoted toward the baccalaureate degree and 36 credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the BA in Mathematics requires the following:

- enrollment in a mathematics course beyond MATH 205;
- a minimum cumulative grade point average of 2.0; and
- a minimum grade point average of 2.0 on all courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA/BS-MA Option in Mathematics

Students must apply for admission to the program no later than the end of the junior year and must have completed MATH 205, MATH 206, MATH 301, and MATH 325, or equivalent courses, prior to application.

Applicants must have a minimum overall GPA of 3.5, and minimum GPA of 3.66 in mathematics courses.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) *	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

MATH 205	Calculus I - QR
One of the following:	
PHYS 299 & PHYS 295	Introductory Electricity, Magnetism and Light & Introductory Laboratories I - SL
CHEM 201 & CHEM 207	General Chemistry I - S & Introduction to Chemical Analysis I - SL
BIOL 240 & BIOL 244	Unity of Life - S & Principles of Biology Laboratory - SL

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation & Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Humanities or Social Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Mathematics Department		
MATH 205	Calculus I - QR ⁴	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
MATH 311	Introduction to Higher Math	3
MATH 325	Introduction to Linear Algebra	3
MATH 387	Discrete Mathematics	3
MATH 501	Introduction to Analysis I - CUE	3
MATH 521	Modern Algebra I - CUE	3

MATH 550 or MATH 551	Advanced Euclidean Geometry Geometry	3
MATH 560 or MATH 561	Statistical Data Analysis - WR Probability	3
Mathematics electives chosen in consultation with departmental advisor		3
Supporting Courses		
Select one of the following sequences:		7-10
Sequence One:		
PHYS 295	Introductory Laboratories I - SL ⁴	
PHYS 296	Introductory Laboratories II - SL	
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 299	Introductory Electricity, Magnetism and Light ⁴	
Sequence Two:		
CHEM 201	General Chemistry I - S ⁴	
CHEM 202	General Chemistry II - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
CHEM 208	Introduction to Chemical Analysis II - SL	
CHEM 209	Introduction to Chemical Analysis III	
Sequence Three:		
BIOL 240	Unity of Life - S ⁴	
BIOL 242	Diversity of Life - S	
BIOL 244	Principles of Biology Laboratory - SL ⁴	
Elective in second science discipline		3
Electives in Natural Sciences, other than Mathematics		5-8
Electives		
Minimum Electives ⁵		14
Minimum Total Hours		68

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

Mathematics courses at the 100 level do not count toward hours in the major.

At least 50 of the total minimum hours required must be at the 300 level or above.

A minimum of 9 hours in courses numbered 311 or higher must be successfully completed in the Department of Mathematics at the University of Louisville.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MATH 501 or MATH 521	Introduction to Analysis I - CUE Modern Algebra I - CUE	3

- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- ³ May be incorporated into other degree requirements
- ⁴ Fulfills General Education requirement.
- ⁵ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		17
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
MATH 206	Calculus II	4
MATH 311	Introduction to Higher Math	3
Foreign Language 1		3-4
Hours		16-17
Year 2		
Fall		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Foreign Language 2		3-4
MATH 301	Calculus III	4
General Elective (300 level or above)		3
General Elective (300 level or above)		3
Hours		16-17
Spring		
MATH 325	Introduction to Linear Algebra	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
Foreign Language 3		3-4
Humanities or Social Science Elective (300 level or above)		3
General Elective		3
Hours		15-16
Year 3		
Fall		
MATH 387	Discrete Mathematics	3
First portion of chosen Natural Science Sequence		3-5
Foreign Language 4 or General Elective		3
Humanities or Social Science WR Elective (300 level or above)		3
General Elective (300 level or above)		3
Hours		15-17
Spring		
Humanities or Social Science WR Elective (300 level or above)		3
Natural Science Elective (not from chosen sequence) (also fulfills General Education/Cardinal Core Natural Science Requirement - S)		3
Second portion of chosen Natural Science Sequence (also fulfills General Education/Cardinal Core Natural Science with Lab Requirement - S+SL or B)		4-5
MATH 550 or MATH 551	Advanced Euclidean Geometry or Geometry	3
MATH 560 or MATH 561	Statistical Data Analysis - WR or Probability	3
Hours		16-17
Year 4		
Fall		
MATH 501	Introduction to Analysis I - CUE	3
MATH 521	Modern Algebra I - CUE	3
Natural Science Elective (non-Math)		3-4
General Elective		3

General Elective	3
Hours	15-16
Spring	
Math Elective	3
General Elective (300 level or above)	3
General Elective	3
General Elective	3
Hours	12
Minimum Total Hours	122-129

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
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Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Mathematics (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Mathematics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Mathematics (<http://www.math.louisville.edu>)
Academic Plan Code(s): MATHBS, MATHBS_ACS

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(7-10 hours of General Education requirements may be satisfied through coursework required by the degree program)		
	College/School Requirements ¹	13-15
	Program/Major Requirements ¹	68-70
	Track Requirements ¹	22-23
	Minimum Total Hours	122-125

¹ Some courses required in this degree program satisfy multiple requirements. **To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.** Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/BS-MA Option in Mathematics

Students must apply for admission to the program no later than the end of the junior year and must have completed MATH 205, MATH 206, MATH 301, and MATH 325, or equivalent courses, prior to application.

Applicants must have a minimum overall GPA of 3.5, and minimum GPA of 3.66 in mathematics courses. As part of the combined degree, students must complete MATH 405 and at least four (4) of the following: MATH 501, MATH 502, MATH 521, MATH 522, MATH 561, MATH 562, or MATH 581, including at least one sequence from among these courses.

The student may take a maximum of nine (9) credit hours for graduate credit, which will also apply to the requirements for the baccalaureate degree in Mathematics. All 600-level courses numbered 689 or below qualify, as do 500-level courses when completed in accord with the stipulations for graduate credit outlined in the syllabus.

Early Start Program (Jointly with the College of Education and Human Development)

The Master of Arts in Teaching program in conjunction with the undergraduate programs in Chemistry, Biology, and Mathematics offers a comprehensive and professionally-focused program leading to an additional degree of MAT Middle or Secondary Education. This early start program enables superior students to receive two degrees within five years. A total of 149-152 credits are required for the dual degrees: 122-125 credits of coursework devoted toward the baccalaureate degree and 36 credits toward the MAT, with nine hours double-counted. This program will be available for students who are entering their junior year. They may take graduate level courses in the College of Education and Human Development (CEHD) in their 4th year of study.

The current qualifications for the joint degree program have been agreed upon by discipline faculty from the Colleges of Arts and Sciences and Education and Human Development. The criteria vary by

discipline. Students enrolling in the accelerated program will be non-thesis students and must adhere to all policies pertaining to Graduate Students. All interested students must submit an application to the College of Education and Human Development (CEHD) MAT program and meet the admission criteria.

Departmental Admission Requirements

Admission to the BS in Mathematics requires enrollment in a mathematics course beyond MATH 205; a minimum cumulative grade point average of 2.0; and a minimum grade point average of 2.0 on all courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
MATH 205	Calculus I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S or CHEM 201 General Chemistry I - S or BIOL 240 Unity of Life - S	
PHYS 295	Introductory Laboratories I - SL or CHEM 207 Introduction to Chemical Analysis I - SL or BIOL 244 Principles of Biology Laboratory - SL	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ²		6-8
Electives in Humanities or Social Sciences, at the 300 level or above ³		6
WR—two approved courses at the 300 level or above ⁴		
Minimum Total Hours		13-15

Program/Major Requirements

Course requirements for the track in Actuarial Science can be found on the Track Requirements tab.

Code	Title	Hours
Mathematics Department ^{5,6}		
MATH 205	Calculus I - QR ⁷	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
MATH 311	Introduction to Higher Math	3

MATH 325	Introduction to Linear Algebra	3
MATH 387	Discrete Mathematics	3
MATH 405	Differential Equations	3
MATH 501	Introduction to Analysis I - CUE	3
MATH 502	Introduction to Analysis II	3
MATH 521	Modern Algebra I - CUE	3
MATH 522	Modern Algebra II	3
MATH 561	Probability	3
Select four courses from the following:		12
MATH 407	Numerical Analysis	
MATH 505	Introduction to Partial Differential Equations	
MATH 507	Fourier Analysis	
MATH 511	Complex Analysis I	
MATH 512	Complex Analysis II	
MATH 535	Modeling I	
MATH 536	Modeling II	
MATH 550	Advanced Euclidean Geometry	
MATH 551	Geometry	
MATH 562	Mathematical Statistics	
MATH 581	Introduction to Graph Theory	

Supporting Courses

Select one of the following sequences: ⁷		8-10
Sequence One:		
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 299	Introductory Electricity, Magnetism and Light	
PHYS 295	Introductory Laboratories I - SL	
PHYS 296	Introductory Laboratories II - SL	
Sequence Two:		
CHEM 201	General Chemistry I - S	
CHEM 202	General Chemistry II - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
CHEM 208	Introduction to Chemical Analysis II - SL	
CHEM 209	Introduction to Chemical Analysis III	
Sequence Three:		
BIOL 240	Unity of Life - S	
BIOL 242	Diversity of Life - S	
BIOL 244	Principles of Biology Laboratory - SL	

Elective in second science discipline ⁷		3
CECS 130	Introduction to Programming Languages ⁸	3
Elective in Natural Sciences (other than Mathematics) ⁹		3
Minimum Electives ¹⁰		0
Minimum Total Hours		68-70

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Program/Major requirements and Supporting Courses for Track in Actuarial Science are articulated on the Track Requirements tab.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MATH 501	Introduction to Analysis I - CUE	
	or MATH 521Modern Algebra I - CUE	
¹	Ten (10) hours of General Education requirements (Quantitative Reasoning and Natural Sciences) are met with requirements in the major or supporting coursework.	
²	Completion of the second semester of a single foreign language; hours will vary depending on the language taken	
³	In addition to courses counted toward General Education	
⁴	May be incorporated into other degree requirements	
⁵	Mathematics courses at the 100 level do not count toward hours in the major.	
⁶	A minimum of 12 hours in courses numbered 311 or higher must be successfully completed in the Department of Mathematics at the University of Louisville.	
⁷	Fulfills General Education requirement.	
⁸	Or another computer related course chosen in consultation with the departmental advisor	
⁹	Or a second computer related course chosen in consultation with departmental advisor	
¹⁰	Elective hours are dependent on completion of at least 10 hours of General Education requirements through requirements in the major, track and/or supporting coursework	

Track Requirements

Track in Actuarial Science

Code	Title	Hours
Mathematics Department ^{1,2}		
MATH 205	Calculus I - QR ³	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
MATH 311	Introduction to Higher Math	3
MATH 325	Introduction to Linear Algebra	3
MATH 372	Theory of Interest	3
MATH 387	Discrete Mathematics	3
MATH 405	Differential Equations	3
MATH 501	Introduction to Analysis I - CUE	3
MATH 560	Statistical Data Analysis - WR	3
MATH 561	Probability	3
MATH 562	Mathematical Statistics	3
MATH 570	Foundations of Actuarial Science	3
MATH 573	Actuarial Models I	3
Supporting Courses		
Select one of the following sequences: ³		4-5
Sequence One:		
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 295	Introductory Laboratories I - SL	
Sequence Two:		
CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	

Sequence Three:		
BIOL 102	Biology: Current Issues and Applications - S	
BIOL 104	Laboratory for Biology: Current Issues and Applications - SL	
Elective in second science discipline ³		3
CIS 300	Computer Information Systems ⁴	3
ECON 380	Introduction to Econometrics ⁴	3
FIN 301	Corporate Finance ⁴	3
FIN 401	Investments ⁴	3
Minimum Total Hours		64-65

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

- ¹ Mathematics courses at the 100 level do not count toward hours in the major.
- ² A minimum of 12 hours in courses numbered 311 or higher must be successfully completed in the Department of Mathematics at the University of Louisville.
- ³ Fulfills General Education requirement
- ⁴ Students must be admitted to the College of Business prior to enrollment in these courses

Flight Plan

Mathematics

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities - AH		3
Foreign Language 1		3-4
MATH 206	Calculus II	4
MATH 311	Introduction to Higher Math	3
Hours		16-17
Year 2		
Fall		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
Foreign Language 2		3-4
MATH 301	Calculus III	4
MATH 325	Introduction to Linear Algebra	3
Hours		16-17
Spring		
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Humanities or Social Science WR Elective (300 level or above)		3

Math Elective		3
MATH 405	Differential Equations	3
Hours		15
Year 3		
Fall		
Humanities or Social Science WR Elective (300 level or above)		3
MATH 387	Discrete Mathematics	3
MATH 501	Introduction to Analysis I - CUE	3
or MATH 521	or Modern Algebra I - CUE	
MATH 561	Probability	3
First portion of chosen Natural Science sequence		3-5
Hours		15-17
Spring		
Second portion of chosen Natural Science sequence (also fulfills portion of Gen Ed Natural Science requirement - S/SL/B)		4-5
Natural Science Elective (not from chosen sequence) (also fulfills portion of Gen Ed Natural Science requirement - S)		3
Math Elective		3
MATH 502	Introduction to Analysis II	3
or MATH 522	or Modern Algebra II	
CECS 130	Introduction to Programming Languages	3
Hours		16-17
Year 4		
Fall		
MATH 521	Modern Algebra I - CUE	3
or MATH 501	or Introduction to Analysis I - CUE	
Math Elective		3
General Elective		3
General Elective (300 level or above)		3
Natural Science Elective (non-Math) or second computer-related course		3
Hours		15
Spring		
MATH 522	Modern Algebra II	3
or MATH 502	or Introduction to Analysis II	
Math Elective		3
General Elective		3
General Elective		3
General Elective (if needed)		3
Hours		15
Minimum Total Hours		122-127

Mathematics, track in Actuarial Science

Course	Title	Hours
Year 1		
Fall		
GEN 100	Student Success Center Orientation	1
or GEN 101	or Arts and Sciences Orientation	
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
MATH 205	Calculus I - QR	4
ECON 201	Principles of Microeconomics - SB	3
ACCT 201	Principles of Financial Accounting	3
Hours		17
Spring		
ENGL 102	Intermediate College Writing - WC	3
MATH 206	Calculus II	4
MATH 311	Introduction to Higher Math	3
ECON 202	Principles of Macroeconomics - SB	3
ACCT 202	Principles of Managerial Accounting	3
Hours		16

Year 2

Fall		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Foreign Language 1		3-4
MATH 301	Calculus III	4
MATH 325	Introduction to Linear Algebra	3
Hours		13-14

Spring

Foreign Language 2		3-4
MATH 372	Theory of Interest	3
MATH 387	Discrete Mathematics	3
MATH 561	Probability	3
FIN 301	Corporate Finance	3
Hours		15-16

Year 3

Fall		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
MATH 562	Mathematical Statistics	3
MATH 570	Foundations of Actuarial Science	3
FIN 401	Investments	3
General Elective		3
Hours		15

Spring

General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Chosen Natural Science Sequence (lecture & lab)		4-5
MATH 405	Differential Equations	3
FIN 414	Applied Financial Econometrics	3
Finance Minor Course		3
Hours		16-17

Year 4

Fall		
MATH 560	Statistical Data Analysis - WR	3
MATH 501	Introduction to Analysis I - CUE	3
Finance Minor Course		3
Finance Minor Course		3
Humanities or Social Science WR Elective (300 level or above)		3
Hours		15

Spring

MATH 573	Actuarial Models I	3
CIS 300	Computer Information Systems	3
ECON 380	Introduction to Econometrics	3
Natural Science Elective (outside of chosen Natural Science sequence)		3
Humanities or Social Science WR Elective (300 level or above)		3
Hours		15
Minimum Total Hours		122-125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.

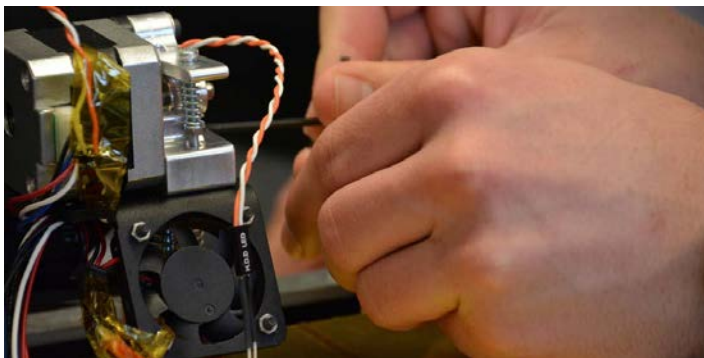
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Mechanical Engineering (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Mechanical Engineering

Unit: Speed School of Engineering (<https://engineering.louisville.edu>) (SS)

Department: Mechanical Engineering (<http://engineering.louisville.edu/mechanical>)

Academic Plan Code(s): ME_ _BMC

Program Information

Students specializing in Mechanical Engineering will complete a program consisting of two semesters in Engineering Fundamentals and a further period of study in the Department of Mechanical Engineering—ten semesters in Departmental Studies—to complete the Bachelor of Science degree, followed by a fifth year in Graduate Studies for the Master of Engineering degree. This curriculum is structured as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree.

The Bachelor of Science in Mechanical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<https://www.abet.org>). The Master of Engineering in Mechanical Engineering degree program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org (<https://www.abet.org>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
(19 hours of General Education requirements may be satisfied through coursework required by the degree program)		

College/School Requirements ¹	38
Program/Major Requirements	75
Minimum Total Hours	125

¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree **in the minimum number of hours listed**, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements and/or Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Acceptance into a Speed School academic department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA \geq 2.25/4.0).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

CHEM 201	General Chemistry I - S	
CHEM 207	Introduction to Chemical Analysis I - SL	
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
ENGR 101	Engineering Analysis I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	

All degrees require the completion of the University-wide General Education Program (link provided above). To complete the degree in the **minimum number of hours** listed on the Overview tab, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements.

College/School Requirements

Code	Title	Hours
Speed School Core		
CHEM 201	General Chemistry I - S ²	3
CHEM 207	Introduction to Chemical Analysis I - SL ²	1
COMM 111	Introduction to Public Speaking - OC or COMM 112 Business and Professional Speaking - OC	3
ENGL 101	Introduction to College Writing - WC ^{2,3}	3
ENGL 102	Intermediate College Writing - WC ^{2,3}	3
ENGR 101	Engineering Analysis I - QR ²	4
ENGR 102	Engineering Analysis II	4
ENGR 110	Engineering Methods, Tools, and Practice I	2

ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 298	Introductory Mechanics, Heat and Sound - S ²	4
Engineering Fundamentals⁴		
ENGR 151	Engineering Graphics Technology	1
ENGR 201	Engineering Analysis III	4
ENGR 205	Differential Equations for Engineering	2
ENGR 307	Numerical Methods for Engineering	2
Minimum Total Hours		38

Program/Major Requirements

Code	Title	Hours
Mechanical Engineering Department		
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
ME 288	Mechanical Engineering Cooperative Education Seminar	0
ME 289	Mechanical Engineering Cooperative Education I	1
ME 310	Thermodynamics II	3
ME 311	Fluid Mechanics I	3
ME 312	Fluid Mechanics Laboratory	1
ME 323	Mechanics of Materials	3
ME 324	Mechanics of Materials Laboratory	1
ME 380	Computer Aided Design	2
ME 381	Introduction to Manufacturing	2
ME 389	Mechanical Engineering Cooperative Education II	1
ME 401	Fluid Mechanics II	3
ME 414	Mechanical Measurements	3
ME 415	Senior Mechanical Engineering Laboratory	1
ME 422	Machine Design I	3
ME 435	System Dynamics	3
ME 440	Heat Transfer	3
ME 442	Machine Design II	3
ME 489	Mechanical Engineering Cooperative Education III	1
ME 497	Mechanical Engineering Capstone Design Project - CUE (CUE)	3
ME 5XX Electives		6
Mechanical Engineering Core		
CHEM 202	General Chemistry II - S	3
PHYS 295	Introductory Laboratories I - SL	1
Supporting Courses		
CECS 130	Introduction to Programming Languages	3
CEE 205	Mechanics I: Statics	3
CHE 253	Materials Science	3
ECE 252	Introduction to Electrical Engineering	3
IE 370	Engineering Economic Analysis	3
PHYS 299	Introductory Electricity, Magnetism and Light	4
Minimum Total Hours		75

Candidates for the Bachelor of Science degree must be in good standing (GPA ≥ 2.25) and must attain a GPA of at least 2.25 for all courses used to satisfy degree requirements.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		

- Requirement fulfilled by completing:
- | | | |
|--------|--|--|
| ME 497 | Mechanical Engineering Capstone Design Project - CUE | |
|--------|--|--|
- To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.
 - This course is a General Education requirement for the program; see louisville.edu/provost/ger/ for the listing, by academic year, of AH/D1/D2/SB/SBH Electives which satisfy the University-wide General Education requirements.
 - Students completing ENGL 105 in lieu of ENGL 101 or ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hr Writing (WR) course or honors Written Communication (WC) course may be needed to satisfy program credit hour requirements.
 - Acceptance into a Speed School academic department requires that a student have a 2.25 GPA in the prescribed set of courses totaling 30 semester hours in Engineering Fundamentals. In addition, the student must be in good standing (university GPA ≥ 2.25).

Flight Plan

Course	Title	Hours
Year 1		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
ENGL 101	Introduction to College Writing - WC	3
ENGR 101	Engineering Analysis I - QR	4
ENGR 110	Engineering Methods, Tools, and Practice I	2
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		16
Spring		
CHEM 202	General Chemistry II - S	3
ENGL 102	Intermediate College Writing - WC	3
ENGR 102	Engineering Analysis II	4
ENGR 111	Engineering Methods, Tools and Practice II	2
PHYS 295	Introductory Laboratories I - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
Hours		17
Summer		
CEE 205	Mechanics I: Statics	3
ENGR 201	Engineering Analysis III	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
Hours		11
Year 2		
Fall		
CHE 253	Materials Science	3
ENGR 151	Engineering Graphics Technology	1
ME 206	Mechanics II: Dynamics	3
ME 251	Thermodynamics I	3
ME 288	Mechanical Engineering Cooperative Education Seminar	0
ME 323	Mechanics of Materials	3
ME 324	Mechanics of Materials Laboratory	1

General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective US Diversity - AHD1, SBD1, or SBHD1		3
Hours		17
Spring		
ME 289	Mechanical Engineering Cooperative Education I	1
Hours		1
Summer		
CECS 130	Introduction to Programming Languages	3
COMM 111	Introduction to Public Speaking - OC	3
or COMM 112	or Business and Professional Speaking - OC	
IE 370	Engineering Economic Analysis	3
ME 310	Thermodynamics II	3
Hours		12
Year 3		
Fall		
ME 389	Mechanical Engineering Cooperative Education II	1
Hours		1
Spring		
ECE 252	Introduction to Electrical Engineering	3
ENGR 205	Differential Equations for Engineering	2
ME 311	Fluid Mechanics I	3
ME 312	Fluid Mechanics Laboratory	1
ME 380	Computer Aided Design	2
ME 381	Introduction to Manufacturing	2
ME 422	Machine Design I	3
Hours		16
Summer		
ME 489	Mechanical Engineering Cooperative Education III	1
Hours		1
Year 4		
Fall		
ENGR 307	Numerical Methods for Engineering	2
ME 401	Fluid Mechanics II	3
ME 414	Mechanical Measurements	3
ME 415	Senior Mechanical Engineering Laboratory	1
ME 442	Machine Design II	3
Mechanical Engineering Elective I (500 level)		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		18
Spring		
ME 435	System Dynamics	3
ME 440	Heat Transfer	3
ME 497	Mechanical Engineering Capstone Design Project - CUE	3
Mechanical Engineering Elective II (500 level)		3
General Education: Cardinal Core Arts & Humanities, Social & Behavioral Sciences, or Social & Behavioral Sciences Historical Perspective - AH, SB, or SBH		3
Hours		15
Minimum Total Hours		125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Middle/Secondary Education (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Middle and Secondary Education

Unit: College of Education and Human Development (<http://louisville.edu/education>) (ED)

Department: Middle and Secondary Education (<http://louisville.edu/education/departments/mise>) (MISE)

Academic Plan Code(s): See Track Requirements tab.

Program Information

The Department of Middle and Secondary Education, in partnership with area schools, prepares teachers to be exemplary professional practitioners and scholars who are strong in their content knowledge as well as in effective research-informed teaching strategies. It is through the preparation of the strongest teachers that we seek to continually improve the quality of life for all in our community.

The Department of Middle and Secondary Education (MISE) offers a wide variety of programs and degrees for those interested in becoming a teacher (initial certification).

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements ¹		7
Program/Major Requirements		20

Track Requirements ¹	70-80
Minimum Total Hours	125

¹ Some courses required in this degree program may satisfy multiple requirements. To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree and Track Requirements tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission requirements for this program include the following:

- Minimum of 45 semester hours completed
- 2.75 or higher overall GPA with a 3.0 or higher overall GPA in EDTP 107 and EDTP 201
- Minimum test scores as required by the Education Professional Standards Board
- Grade of C or better in ENGL 102 (or equivalent)
- Grade of C or better in Oral Communication course
- Other requirements as outlined in Application.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

The following course is required by all tracks in the degree program and satisfies the respective General Education Requirement(s):

EDTP 201	The Teaching Profession - SB
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Please see the Track Requirements to determine additional courses that will satisfy both a major and General Education requirement. These courses should be taken to fulfill the respective General Education Requirement.

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Pre-Professional Courses		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB ¹	3
EDTP 107	Human Development and Learning	3
Minimum Total Hours		7

Mid-Point Assessment Prior to Student Teaching

Satisfactory dispositions assessment; Satisfactory mid-point teacher performance assessment (TPA); Positive recommendation from Middle/Secondary Program Committee; Completion of required core and methods courses; Completion of each methods course with a 2.0 or

better. Electronic documentation of 200 hours of diverse and approved field experiences.

Program/Major Requirements

Code	Title	Hours
Core Professional Courses ²		
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 355	Assessment and Research	3
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Track Requirements		70-80
Minimum Total Hours		90-100

Degree Assessment

2.0 or higher in Student Teaching; satisfactory teacher performance assessment (TPA); 2.50 GPA in content area; 3.0 GPA in Professional Core.

Certification Assessment

Passing scores on required PRAXIS exams; satisfactory dispositions assessment.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
EDTP 477	Capstone Student Teaching Seminar - CUE	

- ¹ Completes 3 hrs of General Education Social & Behavioral requirement
- ² Must be admitted to professional teacher education program before enrolling in core professional courses.

Track Requirements

Track in Biology (Grades 8-12)

Academic Plan Code(s): MISEBS_BIO

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 424	High School Science Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
BIOL 240	Unity of Life - S ¹	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL ¹	2
BIOL 329	Cellular and Molecular Biology	3
BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
BIOL 363	Principles of Ecology	3
BIOL 409	Evolutionary Biology - CUE	3

BIOL Elective 300 level or above	3
CHEM 201 General Chemistry I - S ²	3
CHEM 202 General Chemistry II - S	3
CHEM 207 Introduction to Chemical Analysis I - SL	1
CHEM 208 Introduction to Chemical Analysis II - SL	1
Supporting Courses ³	
GEOS 200 The Global Environment - S	3
MATH 180 Elements of Calculus - QR ⁴	3-4
or MATH 205 Calculus I - QR	
PHYS 111 Elements of Physics - B	4
GEOS 365 Biogeography	3
Science Elective	3
Electives	16
Minimum Total Hours	80

Jump to footnotes table.

Track in Chemistry (Grades 8-12)

Academic Plan Code(s): MISEBS_CHE

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 424	High School Science Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
CHEM 201	General Chemistry I - S ¹	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
CHEM 441	Elements of Physical Chemistry	3
CHEM 470	Physical Chemistry Laboratory - WR	2
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
CHEM 445	Survey of Biochemistry	3
or CHEM 515	Inorganic Chemistry	
Supporting Courses		
MATH 205	Calculus I - QR ⁴	4
MATH 206	Calculus II	4
PHYS 221	Fundamentals of Physics I - S ²	3
PHYS 222	Fundamentals of Physics II - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
Electives		19
Minimum Total Hours		80

Jump to footnotes table.

Track in Earth and Space Science (Grades 8-12)

Academic Plan Code(s): MISEBS_EAS

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 424	High School Science Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
BIOL 240	Unity of Life - S ¹	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL ¹	2
GEOS 200	The Global Environment - S ²	3
GEOS 360	Global Environmental Change	3
GEOS 363	Climate Science	3
GEOS 367	Geomorphology	3
GEOS 564	Hydrology	3
PHYS 107	Elementary Astronomy - S	3
PHYS 108	Elementary Astronomy Laboratory - SL	1
PHYS 220	Contemporary Issues in Meteorology - S	3
Supporting Courses ³		
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
PHYS Elective		3
Math or Science Elective		3
Electives		17
Minimum Total Hours		77

Jump to footnotes table.

Track in English – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders – Leading to Certification in Grades P-12

Academic Plan Code(s): MISEBS_EBD

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 407	Middle School Language Arts Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	6
EDSP 470	Student Teaching, LBD	6
<i>Competency Area Courses</i>		
EDSP 218	Technology for Students with Disabilities	3
EDSP 240	Introduction to Exceptional Children	3
EDSP 260	Classroom Behavior Management	3
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 510	Legal Issues in Special Education	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3

EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDSP 518	Teaching Reading Special Education P-12	3
ENGL 202	Introduction to Creative Writing - AH ¹⁰	3
ENGL 310	Writing About Literature for Non-Majors - WR	3
ENGL 506	Teaching of Writing - CUE, WR	3
EDTP 540	Teaching Adolescent Readers	3
British Literature at the 300 or 400 level		3
American Literature at the 300 or 400 level		3
Select one of the following Minority Literature courses:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
Select one of the following Linguistics courses:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Electives		10
Minimum Total Hours		76

Jump to footnotes table.

Track in English (Grades 8-12)

Academic Plan Code(s): MISEBS_ENG

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 422	High School English Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
ENGL 310	Writing About Literature for Non-Majors - WR	3
ENGL 506	Teaching of Writing - CUE, WR	3
Select survey courses from three of the four different survey/periods:		9
Division A:		
ENGL 301	British Literature I	
ENGL 413	British Literature from the Beginning through Shakespeare - WR	
ENGL 414	British Literature from Shakespeare through the Neoclassical Period - WR	
Division B:		
ENGL 302	British Literature II	
ENGL 415	Nineteenth-Century British Literature - WR	
ENGL 416	Modern British and Irish Literature - WR	
ENGL 417	Contemporary British and Post-Colonial Literature - WR	
Division C:		
ENGL 311	American Literature I	
ENGL 418	American Literature to 1830 - WR	
ENGL 419	American Literature from 1830 to 1865 - WR	
Division D:		
ENGL 312	American Literature II	

ENGL 420	American Literature from 1865 to 1910 - WR	
ENGL 421	American Literature from 1910 to 1960 - WR	
ENGL 422	American Literature from 1960 to the Present - WR	
ENGL 423	African-American Literature from 1845 to the Present - WR	
Select one of the following Shakespearian Literature courses:		3
ENGL 333	Shakespeare I	
ENGL 334	Shakespeare II	
ENGL 562	Shakespeare - CUE	
Select one of the following Minority Literature courses:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 368	Minority Traditions in English Literatures - AH, D2	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE	
ENGL 567	Post-Colonial Voices: Writing Experience in African Literature - CUE, WR	
Or other course approved by advisor		
Select one of the following English Language courses:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
ENGL 535	Topics in Applied Linguistics	
EDTP 522	Methods of Teaching Grammar, K-12	
Select one of the following Gender in Literature courses:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 373	Women and Global Literature - AH, D2	
Or other course approved by advisor		
ENGL Elective 500 level		3
Supporting Courses		
Ancient through Renaissance Culture course:		3
HUM 301	Ancient Greek and Roman Cultures	
HUM 302	Medieval Culture	
HUM 303	Renaissance Cultures	
HUM 338	Greek Mythology	
HUM 339	Studies in World Mythology - AH, D2	
HUM 354	Masterpieces of Ancient Greece - WR	
HUM 355	Masterpieces of Ancient Rome - WR	
HUM 356	Masterpieces of the Middle Ages - WR	
HUM 357	Masterpieces of the Renaissance - WR	
HUM Electives 300 level or above		9
EDAP 597	Seminar in Elementary Education	3
Or TA 300 level or above		
Electives		16
Minimum Total Hours		76

Jump to footnotes table.

Track in French (Grades P-12)

Academic Plan Code(s): MISEBS_FRE

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 429	World Language Methods, P-12	3

Student Teaching Requirement

EDTP 412	Student Teaching: P-12	9
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Competency Area Courses

FREN 320	French Skills Overview	3
FREN 321	French Conversation	3
FREN 322	Written Expression - WR	3
FREN 331	French Civilization	3
FREN 332	France Today	3
FREN 455	Reading in French	3
FREN 523	Advanced Communication Skills	3
FREN 524	Theory and Practice of Translation	3
FREN Electives 300 level or above		6

Supporting Courses

Supporting Courses must be approved by advisor.	15
Electives	10
Minimum Total Hours	70

Jump to footnotes table.

Track in Mathematics and English (Grades 5-9)

Academic Plan Code(s): MISEBS_MEN

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 407	Middle School Language Arts Methods	3
EDTP 408	Middle School Mathematics Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	9
<i>Competency Area Courses</i>		
MATH 107	Finite Mathematics (or Approved Substitute)	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
Select one of the following:		4
MATH 190	Precalculus - QR ⁴	
MATH 111 & MATH 112	College Algebra - QR & Trigonometry ⁴	
MATH 205	Calculus I - QR	4-3
or MATH 180	Elements of Calculus - QR	
MATH 350	Geometric Investigations	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
PHYS 111	Elements of Physics - B ¹	4
ENGL 202	Introduction to Creative Writing - AH ¹⁰	3
ENGL 310	Writing About Literature for Non-Majors - WR	3
ENGL 506	Teaching of Writing - CUE, WR	3
British Literature at the 300 or 400 level		3
American Literature at the 300 or 400 level		3
Select one of the following Minority Literature courses:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
Select one of the following Linguistics courses:		3

ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Electives		14
Minimum Total Hours		80

Jump to footnotes table.

Track in Mathematics – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders – Leading to Certification in Grades P-12

Academic Plan Code(s): MISEBS_MLD

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 408	Middle School Mathematics Methods	3

Student Teaching Requirement

EDTP 417	Student Teaching: Middle School	6
EDSP 470	Student Teaching, LBD	6

Competency Area Courses

MATH 107	Finite Mathematics (or Approved Substitute)	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
Select one of the following:		4
MATH 190	Precalculus - QR ⁴	
MATH 111 & MATH 112	College Algebra - QR & Trigonometry	
MATH 205	Calculus I - QR	4-3
or MATH 180	Elements of Calculus - QR	
MATH 350	Geometric Investigations	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
PHYS 111	Elements of Physics - B ¹	4
EDSP 218	Technology for Students with Disabilities	3
EDSP 240	Introduction to Exceptional Children	3
EDSP 260	Classroom Behavior Management	3
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 510	Legal Issues in Special Education	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDSP 518	Teaching Reading Special Education P-12	3
Electives		8
Minimum Total Hours		77

Jump to footnotes table.

Track in Mathematics and Science (Grades 5-9)

Academic Plan Code(s): MISEBS_MNC

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 408	Middle School Mathematics Methods	3
EDTP 409	Middle School Science Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	9
<i>Competency Area Courses</i>		
MATH 107	Finite Mathematics (or Approved Substitute)	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
Select one of the following:		4
MATH 190	Precalculus - QR ⁴	
MATH 111 & MATH 112	College Algebra - QR & Trigonometry	
MATH 205	Calculus I - QR	4-3
or MATH 180	Elements of Calculus - QR	
MATH 350	Geometric Investigations	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
PHYS 111	Elements of Physics - B ¹	4
GEOS 200	The Global Environment - S ²	3
GEOS 220	Contemporary Issues in Meteorology - S	3
GEOS 301	Geology for Scientists and Engineers	3
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
BIOL 363	Principles of Ecology	3
PHYS 107	Elementary Astronomy - S	3
PHYS 108	Elementary Astronomy Laboratory - SL	1
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Electives		3
Minimum Total Hours		80

Jump to footnotes table.

Track in Mathematics and Social Studies (Grades 5-9)

Academic Plan Code(s): MISEBS_MCS

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 408	Middle School Mathematics Methods	3
EDTP 410	Middle School Social Studies Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	9
<i>Competency Area Courses</i>		
MATH 107	Finite Mathematics (or Approved Substitute)	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
Select one of the following:		4
MATH 190	Precalculus - QR ⁴	

MATH 111 & MATH 112	College Algebra - QR & Trigonometry	
MATH 205	Calculus I - QR	4-3
or MATH 180	Elements of Calculus - QR	
MATH 350	Geometric Investigations	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
PHYS 111	Elements of Physics - B ¹	4
HIST 101	History of Civilizations I - D2, SBH ⁵	3
HIST 102	History of Civilizations II - D2, SBH	3
HIST 211	American History I - D1, SBH	3
HIST 212	American History II - D1, SBH	3
HIST Elective 500 level		3
POLS 201	Introduction to American Government and Politics - SB ⁶	3
POLS Elective 300 level or above		3
GEOG 200	Human Geography in a Changing World - D2, SB	3
GEOG Elective 300 level or above		3
ECON 201	Principles of Microeconomics - SB	3
or ECON 202	Principles of Macroeconomics - SB	
Electives		5
Minimum Total Hours		80

Jump to footnotes table.

Track in Mathematics (Grades 8-12)

Academic Plan Code(s): MISEBS_SMA

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 423	High School Mathematics Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
MATH 205	Calculus I - QR ⁴	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
MATH 311	Introduction to Higher Math	3
MATH 325	Introduction to Linear Algebra	3
MATH 387	Discrete Mathematics	3
MATH 521	Modern Algebra I - CUE	3
MATH 561	Probability	3
MATH 550	Advanced Euclidean Geometry	3
or MATH 551	Geometry	
Supporting Courses		
MATH 562	Mathematical Statistics	3
MATH 590	History of Mathematics - WR	3
Supporting Courses (see list below) ⁷		9
Electives		15
Minimum Total Hours		75

Jump to footnotes table.

Track in Physics (Grades 8-12)

Academic Plan Code(s): MISEBS_PHY

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 424	High School Science Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
PHYS 295	Introductory Laboratories I - SL ¹	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 298	Introductory Mechanics, Heat and Sound - S ¹	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 460	Mechanics	3
PHYS 530	Thermal Physics	3
PHYS Electives 300 level or above		6
CHEM 201	General Chemistry I - S ²	3
CHEM 202	General Chemistry II - S	3
<i>Supporting Courses</i>		
MATH 205	Calculus I - QR ⁴	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
Supporting Courses ³		3
Electives		18
Minimum Total Hours		80

Jump to footnotes table.

Track in Social Studies and English (Grades 5-9)

Academic Plan Code(s): MISEBS_SEN

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 407	Middle School Language Arts Methods	3
EDTP 410	Middle School Social Studies Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	9
<i>Competency Area Courses</i>		
HIST 101	History of Civilizations I - D2, SBH ⁵	3
HIST 102	History of Civilizations II - D2, SBH	3
HIST 211	American History I - D1, SBH	3
HIST 212	American History II - D1, SBH	3
HIST Elective 500 level		3
POLS 201	Introduction to American Government and Politics - SB ⁶	3
POLS Elective 300 level or above		3
GEOG 200	Human Geography in a Changing World - D2, SB	3
GEOG Elective 300 level or above		3
ECON 201	Principles of Microeconomics - SB	3
or ECON 202	Principles of Macroeconomics - SB	
ENGL 202	Introduction to Creative Writing - AH ¹⁰	3

ENGL 310	Writing About Literature for Non-Majors - WR	3
ENGL 506	Teaching of Writing - CUE, WR	3
EDTP 540	Teaching Adolescent Readers	3
British Literature at the 300 or 400 level		3
American Literature at the 300 or 400 level		3
Select one of the following Minority Literature courses:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
Select one of the following Linguistics courses:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Electives		4
Minimum Total Hours		76

Jump to footnotes table.

Track in Social Studies – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders – Leading to Certification in Grades P-12

Academic Plan Code(s): MISEBS_SBD

Code	Title	Hours
EDTP 341	Teaching Middle School	3
EDTP 410	Middle School Social Studies Methods	3
<i>Student Teaching Requirement</i>		
EDTP 417	Student Teaching: Middle School	6
EDSP 470	Student Teaching, LBD	6
<i>Competency Area Courses</i>		
HIST 101	History of Civilizations I - D2, SBH ⁵	3
HIST 102	History of Civilizations II - D2, SBH	3
HIST 211	American History I - D1, SBH	3
HIST 212	American History II - D1, SBH	3
HIST Elective 500 level		3
POLS 201	Introduction to American Government and Politics - SB ⁶	3
POLS Elective 300 level or above		3
GEOG 200	Human Geography in a Changing World - D2, SB	3
GEOG Elective 300 level or above		3
ECON 201	Principles of Microeconomics - SB	3
or ECON 202	Principles of Macroeconomics - SB	
EDSP 218	Technology for Students with Disabilities	3
EDSP 240	Introduction to Exceptional Children	3
EDSP 260	Classroom Behavior Management	3
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 510	Legal Issues in Special Education	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDSP 518	Teaching Reading Special Education P-12	3

Electives	1
Minimum Total Hours	73

Jump to footnotes table.

Track in Social Studies (Grades 8-12)

Academic Plan Code(s): MISEBS_SST

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 425	High School Social Studies Methods	3
<i>Student Teaching Requirement</i>		
EDTP 419	Student Teaching: High School	9
<i>Competency Area Courses</i>		
ECON 201	Principles of Microeconomics - SB ⁶	3
ECON 202	Principles of Macroeconomics - SB	3
GEOS 200	The Global Environment - S ²	3
GEOG 200	Human Geography in a Changing World - D2, SB	3
HIST 101	History of Civilizations I - D2, SBH ⁵	3
HIST 102	History of Civilizations II - D2, SBH	3
HIST 211	American History I - D1, SBH	3
HIST 212	American History II - D1, SBH	3
Select one of the following Modern World History courses:		3
HIST 308	Europe from 1500 to the French Revolution	
HIST 309	Europe from 1800 to the Present	
HIST 332	Latin America, 1820 to Present	
HIST 357	Middle Eastern History, 1453 to the Present - WR	
Select one of the following Post Reconstruction courses:		3
HIST 519	Gilded Age and Progressive Era United States, 1877-1929 - WR	
HIST 524	United States Civil War and Reconstruction - CUE, WR	
HIST 529	Recent American History, 1945 to Present - CUE, WR	
POLS 201	Introduction to American Government and Politics - SB	3
Supporting Courses		
Supporting Courses ⁸		15
Electives		13
Minimum Total Hours		76

Jump to footnotes table.

Track in Spanish (Grades P-12)

Academic Plan Code(s): MISEBS_SPA

Code	Title	Hours
EDTP 301	General Methods	3
EDTP 429	World Language Methods, P-12	3
<i>Student Teaching Requirement</i>		
EDTP 412	Student Teaching: P-12	9
<i>Competency Area Courses</i>		
SPAN 201	Intermediate Spanish I	3

SPAN 202	Intermediate Spanish II	3
SPAN 301	Spanish Pronunciation	3
SPAN 305	Spanish Grammar in Context	3
SPAN 310	Readings and Writing in Spanish I	3
SPAN 311	Cultural Readings and Writing in Spanish II	3
SPAN 321	Communication and Conversation in Spanish	3
SPAN 422	Spanish Phonetics	3
SPAN 524	Introduction to Hispanic Linguistics	3
SPAN 401	Foundations of Spanish Civilization	3
or SPAN 402	Cultural and Literary Perspectives on Modern Spain	
SPAN 403	Foundations of Latin American Nations and Identities	3
or SPAN 404	Cultural and Literary Perspectives on Modern Latin America	

Supporting Courses

Supporting Courses ⁹	12
Electives	10
Minimum Total Hours	70

- 1 Completes 4 hrs. of Gen Ed S and SL requirements
- 2 Completes 3 hrs. of Gen Ed S requirement
- 3 Choose from Biology, Geosciences, Mathematics, Physics, or Chemistry as approved by advisor.
- 4 Completes 3 hrs. of Gen Ed MATH requirement
- 5 Completes 3 hrs. of Gen Ed SB – History requirement
- 6 Completes 3 hrs. of Gen Ed SB requirement
- 7 Courses listed plus a minimum of nine additional hours from Biology (BIOL 240/BIOL 242/BIOL 244), Mathematics, or Physics (PHYS 298/PHYS 295 and PHYS 299/PHYS 296) as approved by advisor.
- 8 At least nine credit hours must be earned at the 300 level or above. Courses must be approved by advisor.
- 9 Courses must be approved by advisor
- 10 Completes 3 hrs. of Gen Ed AH requirement

Flight Plan

Track in Biology (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
BIOL 240	Unity of Life - S	3
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Elective (MATH 111 or 190, if needed)		3-4
Hours		16
Spring		
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3

MATH 180 or MATH 205	Elements of Calculus - QR or Calculus I - QR	3-4
Hours		14
Year 2		
Fall		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
EDTP 107	Human Development and Learning	3
GEOS 200	The Global Environment - S	3
General Elective		3
General Elective		3
Hours		17
Spring		
CHEM 202	General Chemistry II - S	3
PHYS 111	Elements of Physics - B	4
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		16
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
BIOL 329	Cellular and Molecular Biology	3
BIOL 363	Principles of Ecology	3
Hours		16
Spring		
EDTP 424	High School Science Methods	3
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
BIOL 330	Genetics and Molecular Biology	3
BIOL 331	Genetics and Molecular Biology: Laboratory	2
BIOL 409	Evolutionary Biology - CUE	3
General Elective		1
Hours		16
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
General Elective		3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
GEOS 365	Biogeography	3
Biography Elective (300 level)		3
Supporting Science Elective as approved by advisor		3
Hours		15
Minimum Total Hours		125

Track in Chemistry (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3

General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Elective (MATH 190, if needed)		4
Hours		14
Spring		
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
Hours		15
Year 2		
Fall		
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 210	Introduction to Chemical Analysis IV	1
EDTP 107	Human Development and Learning	3
MATH 206	Calculus II	4
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
Hours		16
Spring		
CHEM 341	Organic Chemistry I	3
CHEM 343	Organic Chemistry Laboratory I	2
PHYS 222	Fundamentals of Physics II - S	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		17
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
CHEM 441	Elements of Physical Chemistry	3
General Elective		3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 424	High School Science Methods	3
CHEM 342	Organic Chemistry II	3
CHEM 344	Organic Chemistry Laboratory II	2
CHEM 470	Physical Chemistry Laboratory - WR	2
General Elective		3
Hours		17
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
CHEM 527	Introduction to Separations and Spectroscopy - WR	3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
CHEM 445 or CHEM 515	Survey of Biochemistry or Inorganic Chemistry	3
General Elective		3

General Elective	3
Hours	15
Minimum Total Hours	125

Track in Earth and Space Science (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 180 or MATH 111	Elements of Calculus - QR or College Algebra - QR	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Elective (BIOL 102, if needed)		3
Hours		13
Spring		
BIOL 240	Unity of Life - S	3
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
GEOS 200	The Global Environment - S	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		1
Hours		16
Year 2		
Fall		
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
EDTP 107	Human Development and Learning	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
PHYS 220 or GEOS 220	Contemporary Issues in Meteorology - S or Contemporary Issues in Meteorology - S	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
General Elective		3
Hours		16
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
GEOS 564	Hydrology	3
PHYS 107	Elementary Astronomy - S	3
PHYS 108	Elementary Astronomy Laboratory - SL	1
Hours		17
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 424	High School Science Methods	3
GEOS 360	Global Environmental Change	3
GEOS 363	Climate Science	3
GEOS 367	Geomorphology	3
Hours		16

Year 4

Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
General Elective		3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Physics Elective		3
Math or Science Elective		3
General Elective		3
General Elective		1
Hours		16
Minimum Total Hours		125

Track in English – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders – Leading to Certification in Grades P-12

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity or Global Diversity - SBHD1 or SBHD2		3
General Elective		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
EDSP 240	Introduction to Exceptional Children	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		16
Year 2		
Fall		
EDSP 218	Technology for Students with Disabilities	3
EDTP 107	Human Development and Learning	3
ENGL 202	Introduction to Creative Writing - AH	3
American Literature Course (300 or 400 level)		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Spring		
EDSP 260	Classroom Behavior Management	3
ENGL 310	Writing About Literature for Non-Majors - WR	3
British Literature (300 or 400 level)		3
Minority Literature Course (300 Level) - Choose From List Below:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
General Elective		6
Hours		18
Year 3		
Fall		
EDSP 442	Practicum: Learning and Behavior Disorders	3

EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 540	Teaching Adolescent Readers	3
Hours		18
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDSP 518	Teaching Reading Special Education P-12	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 407	Middle School Language Arts Methods	3
Hours		14
Year 4		
Fall		
EDSP 470	Student Teaching, LBD	6
EDTP 417	Student Teaching: Middle School	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Spring		
EDSP 510	Legal Issues in Special Education	3
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
ENGL 506	Teaching of Writing - CUE, WR	3
Select one of the following:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Hours		15
Minimum Total Hours		125

Track in English (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		1
Hours		14
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Elective		3
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
ENGL 310	Writing About Literature for Non-Majors - WR	3
General Elective		3
Choose a course from Division A, B, C, or D.		3

Choose a course from Division A, B, C, or D.		3
Hours		15
Spring		
Gender In Literature (Choose From List Below or Other Course Approved By Advisor)		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 373	Women and Global Literature - AH, D2	
Choose a course from Division A, B, C, or D.		3
Theatre Arts course at 300 level or above		3
Humanities Elective (300 level or above)		3
General Elective		3
Hours		15
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
ENGL 500 Level Literature Course		3
ENGL 506	Teaching of Writing - CUE, WR	3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 422	High School English Methods	3
Humanities Elective (300 level)		3
Humanities Ancient through Renaissance Culture Elective		3
Select one of the following:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
ENGL 535	Topics in Applied Linguistics	
Hours		16
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
General Elective		3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Literature survey/period course from a third period (300 level) ¹		3
Humanities Elective (300 level)		3
Minority Literatures (Choose From List Below or Other Course Approved by Advisor)		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 368	Minority Traditions in English Literatures - AH, D2	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE	
ENGL 567	Post-Colonial Voices: Writing Experience in African Literature - CUE, WR	
General Elective		3
Hours		18
Minimum Total Hours		125

¹ Students must select courses from three of the four different survey period divisions. Students may only substitute courses with the permission of their advisor.

Track in French (Grades P-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
FREN 320	French Skills Overview	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		16
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
FREN 322	Written Expression - WR	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
FREN 321	French Conversation	3
French Elective (300 level or above)		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Elective		3
Hours		16
Spring		
FREN 332	France Today	3
French Elective (300 level or above)		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
General Elective		3
Hours		15
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
FREN 331	French Civilization	3
FREN 455	Reading in French	3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 429	World Language Methods, P-12	3
FREN 524	Theory and Practice of Translation	3
Supporting Course		3
Supporting Course		3
Hours		16
Year 4		
Fall		
EDTP 412	Student Teaching: P-12	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
FREN 523	Advanced Communication Skills	3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3

Supporting Course	3
Supporting Course	3
Supporting Course	3
General Elective	1
Hours	16
Minimum Total Hours	125

Track in Mathematics and English (Grades 5-9)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 190	Precalculus - QR	4
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity or Global Diversity - SBHD1 or SBHD2		3
General Elective		1
Hours		15
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
ENGL 202	Introduction to Creative Writing - AH	3
ENGL 310	Writing About Literature for Non-Majors - WR	3
British Literature Course (300 or 400 level)		3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
Hours		18
Spring		
ENGL 506	Teaching of Writing - CUE, WR	3
MATH 107	Finite Mathematics	3
PHYS 111	Elements of Physics - B	4
American Literature Course (300 or 400 level)		3
General Elective		3
Hours		16
Year 3		
Fall		
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 540	Teaching Adolescent Readers	3
MATH 350	Geometric Investigations	3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 407	Middle School Language Arts Methods	3
EDTP 408	Middle School Mathematics Methods	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
General Elective		3
Hours		16

Year 4		
Fall		
EDTP 417	Student Teaching: Middle School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		12
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Select one of the following:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Minority Literature Course (300 Level) - Choose From List Below:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
General Elective		3
General Elective		1
Hours		16
Minimum Total Hours		125

¹ Must have one D1 and one D2 course in order to satisfy General Education requirements.

Track in Mathematics – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders - Leading to Certification in Grades P-12

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
MATH 190	Precalculus - QR	4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		1
Hours		15
Spring		
EDSP 240	Introduction to Exceptional Children	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
or MATH 180	or Elements of Calculus - QR	
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 2		
Fall		
EDSP 218	Technology for Students with Disabilities	3
EDTP 107	Human Development and Learning	3
MATH 151	Mathematics for Elementary Education I	3
MATH 350	Geometric Investigations	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Spring		
EDSP 260	Classroom Behavior Management	3
MATH 107	Finite Mathematics	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
PHYS 111	Elements of Physics - B	4

General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Year 3		
Fall		
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
Hours		15
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDSP 518	Teaching Reading Special Education P-12	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 408	Middle School Mathematics Methods	3
General Elective		3
Hours		17
Year 4		
Fall		
EDSP 470	Student Teaching, LBD	6
EDTP 417	Student Teaching: Middle School	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Spring		
EDSP 510	Legal Issues in Special Education	3
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
MATH 109	Elementary Statistics - QR	3
General Elective		1
General Elective		3
Hours		16
Minimum Total Hours		125

Track in Mathematics and Science (Grades 5-9)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
GEOS 200	The Global Environment - S	3
MATH 190	Precalculus - QR	4
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		14
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
or MATH 180	or Elements of Calculus - QR	
PHYS 107	Elementary Astronomy - S	3
PHYS 108	Elementary Astronomy Laboratory - SL	1
General Education: Cardinal Core Oral Communication - OC		3
Hours		17
Year 2		
Fall		
BIOL 240	Unity of Life - S	3
EDTP 107	Human Development and Learning	3

GEOS 220	Contemporary Issues in Meteorology - S	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
General Elective		3
Hours		18
Spring		
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
MATH 107	Finite Mathematics (Or Approved Substitute)	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Year 3		
Fall		
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
CHEM 202	General Chemistry II - S	3
MATH 350	Geometric Investigations	3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 408	Middle School Mathematics Methods	3
EDTP 409	Middle School Science Methods	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Year 4		
Fall		
EDTP 417	Student Teaching: Middle School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		12
Spring		
BIOL 363	Principles of Ecology	3
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
GEOS 301	Geology for Scientists and Engineers	3
PHYS 111	Elements of Physics - B	4
Hours		16
Minimum Total Hours		125

Track in Mathematics and Social Studies (Grades 5-9)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
GEOS 200	The Global Environment - S	3
MATH 190	Precalculus - QR	4
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		1
Hours		15
Spring		
EDTP 201	The Teaching Profession - SB	3

ENGL 102	Intermediate College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
MATH 205	Calculus I - QR	4
or MATH 180	or Elements of Calculus - QR	
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Year 2

Fall

EDTP 107	Human Development and Learning	3
GEOG 200	Human Geography in a Changing World - D2, SB	3
HIST 211	American History I - D1, SBH	3
MATH 109	Elementary Statistics - QR	3
MATH 151	Mathematics for Elementary Education I	3
POLS 201	Introduction to American Government and Politics - SB	3
Hours		18

Spring

HIST 102	History of Civilizations II - D2, SBH	3
HIST 212	American History II - D1, SBH	3
MATH 107	Finite Mathematics (Or Approved Substitute)	3
PHYS 111	Elements of Physics - B	4
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16

Year 3

Fall

EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
ECON 201	Principles of Microeconomics - SB	3
MATH 350	Geometric Investigations	3
Hours		16

Spring

EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 408	Middle School Mathematics Methods	3
EDTP 410	Middle School Social Studies Methods	3
MATH 451	Problem Solving in Number Systems and Discrete Mathematics	3
General Elective		3
Hours		16

Year 4

Fall

EDTP 417	Student Teaching: Middle School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		12

Spring

EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Geography Elective (300 level)		3
History Elective (500 level)		3
Political Science Elective (300 level)		3
General Elective		1
Hours		16
Minimum Total Hours		125

Track in Mathematics (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1

ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S (other than Physics)		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Elective (or MATH 190, if needed)		3-4
General Elective		1-2
Hours		15
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		16
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
MATH 206	Calculus II	4
MATH 311	Introduction to Higher Math	3
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
General Elective		1
Hours		16
Spring		
MATH 301	Calculus III	4
MATH 325	Introduction to Linear Algebra	3
General Education: Cardinal Core Arts & Humanities Globa Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		16
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
MATH 387	Discrete Mathematics	3
MATH 521	Modern Algebra I - CUE	3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 423	High School Mathematics Methods	3
MATH 550	Advanced Euclidean Geometry	3
or MATH 551	or Geometry	
MATH 561	Probability	3
Supporting Course		3
Hours		16
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		12
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
MATH 562	Mathematical Statistics	3
MATH 590	History of Mathematics - WR (or approved course)	3
Supporting Course		3

General Elective	3
Hours	18
Minimum Total Hours	125

Track in Physics (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Elective (MATH 190, if needed)		4
Hours		14
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
MATH 205	Calculus I - QR	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
Hours		15
Year 2		
Fall		
CHEM 201	General Chemistry I - S	3
EDTP 107	Human Development and Learning	3
MATH 206	Calculus II	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
General Elective		2
Hours		17
Spring		
CHEM 202	General Chemistry II - S	3
MATH 301	Calculus III	4
General Education: Cardinal Core Arts & Humanities Globa Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		16
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
Physics Elective (PHYS 350 recommended)		3
Hours		17
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 424	High School Science Methods	3
PHYS 460	Mechanics	3
PHYS 530	Thermal Physics	3
General Elective		3
Hours		16
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3

General Elective	3
Hours	15
Spring	
EDTP 355 Assessment and Research	3
EDTP 506 Public Schools in America: Understanding our Past to Envision our Future	3
Physics Elective	3
Supporting Course	3
General Elective	3
Hours	15
Minimum Total Hours	125

Track in Social Studies and English (Grades 5-9)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Elective		1
Hours		15
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
HIST 102	History of Civilizations II - D2, SBH	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Year 2		
Fall		
ECON 201 or ECON 202	Principles of Microeconomics - SB or Principles of Macroeconomics - SB	3
EDTP 107	Human Development and Learning	3
ENGL 202	Introduction to Creative Writing - AH	3
HIST 211	American History I - D1, SBH	3
British Literature Course (300 or 400 level)		3
General Elective		3
Hours		18
Spring		
ENGL 310	Writing About Literature for Non-Majors - WR	3
American Literature Course (300 or 400 level)		3
GEOG 200	Human Geography in a Changing World - D2, SB	3
HIST 212	American History II - D1, SBH	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Year 3		
Fall		
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 540	Teaching Adolescent Readers	3
Minority Literature Course (300 level) - Choose From List Below:		3
ENGL 342	Black Women Novelists - AH, D2, WR	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 423	African-American Literature from 1845 to the Present - WR	
Hours		16

Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 407	Middle School Language Arts Methods	3
EDTP 410	Middle School Social Studies Methods	3
POLS 201	Introduction to American Government and Politics - SB	3
Select one of the following:		3
ENGL 518	Foundations of Language	
ENGL 522	Structure of Modern English	
EDTP 522	Methods of Teaching Grammar, K-12	
Hours		16

Year 4		
Fall		
EDTP 417	Student Teaching: Middle School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		12
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
ENGL 506	Teaching of Writing - CUE, WR	3
Geography Elective (300 level)		3
History Elective (500 level)		3
Political Science Elective (300 level)		3
Hours		18
Minimum Total Hours		125

Track in Social Studies – Leading to Certification in Grades 5-9, and Learning and Behavior Disorders - Leading to Certification in Grades P-12

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
EDTP 201	The Teaching Profession - SB	3
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		14
Spring		
EDSP 240	Introduction to Exceptional Children	3
ENGL 102	Intermediate College Writing - WC	3
GEOG 200	Human Geography in a Changing World - D2, SB	3
HIST 101	History of Civilizations I - D2, SBH	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		1
Hours		16
Year 2		
Fall		
EDSP 218	Technology for Students with Disabilities	3
EDTP 107	Human Development and Learning	3
HIST 211	American History I - D1, SBH	3
POLS 201	Introduction to American Government and Politics - SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Spring		
ECON 201 or ECON 202	Principles of Microeconomics - SB or Principles of Macroeconomics - SB	3
EDSP 260	Classroom Behavior Management	3

HIST 102	History of Civilizations II - D2, SBH	3
HIST 212	American History II - D1, SBH	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		18
Year 3		
Fall		
EDSP 442	Practicum: Learning and Behavior Disorders	3
EDSP 512	Methods for Students with Learning and Behavior Disorders	3
EDSP 516	Assessment Procedures for Students with Learning & Behavior Disorders	3
EDTP 341	Teaching Middle School	3
EDTP 420	Reading and Writing Across the Curriculum	3
Hours		15
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDSP 518	Teaching Reading Special Education P-12	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 410	Middle School Social Studies Methods	3
Geography Elective (300 level)		3
Hours		17
Year 4		
Fall		
EDSP 470	Student Teaching, LBD	6
EDTP 417	Student Teaching: Middle School	6
EDTP 477	Capstone Student Teaching Seminar - CUE	3
Hours		15
Spring		
EDSP 510	Legal Issues in Special Education	3
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
History Elective (500 level)		3
Political Science Elective (300 level)		3
Hours		15
Minimum Total Hours		125

Track in Social Studies (Grades 8-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
GEOG 200	Human Geography in a Changing World - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		14
Spring		
EDTP 201	The Teaching Profession - SB	3
ENGL 102	Intermediate College Writing - WC	3
GEOS 200	The Global Environment - S	3
HIST 101	History of Civilizations I - D2, SBH	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Year 2		
Fall		
ECON 202	Principles of Macroeconomics - SB	3

EDTP 107	Human Development and Learning	3
HIST 102	History of Civilizations II - D2, SBH	3
HIST 211	American History I - D1, SBH	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		3
Hours		18
Spring		
ECON 201	Principles of Microeconomics - SB	3
HIST 212	American History II - D1, SBH	3
POLS 201	Introduction to American Government and Politics - SB	3
Modern World History Elective (300 level)		3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		3
Hours		18
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
Supporting Course (300 level or above)		3
Supporting Course (300 level or above)		3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 425	High School Social Studies Methods	3
Supporting Course (300 level or above)		3
Supporting Course		3
General Elective		3
Hours		16
Year 4		
Fall		
EDTP 419	Student Teaching: High School	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
General Elective		1
Hours		13
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
Post-Reconstruction History Course		3
Supporting Course		3
General Elective		3
Hours		15
Minimum Total Hours		125

Track in Spanish (Grades P-12)

Course	Title	Hours
Year 1		
Fall		
EDTP 101	Academic Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SPAN 201	Intermediate Spanish I	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		16
Spring		
EDTP 201	The Teaching Profession - SB	3

ENGL 102	Intermediate College Writing - WC	3
SPAN 202	Intermediate Spanish II	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		15
Year 2		
Fall		
EDTP 107	Human Development and Learning	3
SPAN 301	Spanish Pronunciation	3
SPAN 305	Spanish Grammar in Context	3
SPAN 310	Readings and Writing in Spanish I	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		16
Spring		
SPAN 311	Cultural Readings and Writing in Spanish II	3
SPAN 321	Communication and Conversation in Spanish	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Elective		3
Hours		15
Year 3		
Fall		
EDTP 301	General Methods	3
EDTP 328	Building Learning Communities	3
EDTP 330	Building Learning Communities Field Experience	1
EDTP 420	Reading and Writing Across the Curriculum	3
SPAN 401	Foundations of Spanish Civilization	3
or SPAN 402	or Cultural and Literary Perspectives on Modern Spain	
Supporting Course		3
Hours		16
Spring		
EDSP 345	Special Populations in Schools	3
EDSP 346	Special Populations in Schools Field Experience	1
EDTP 429	World Language Methods, P-12	3
SPAN 422	Spanish Phonetics	3
SPAN 524	Introduction to Hispanic Linguistics	3
Supporting Course		3
General Elective		1
Hours		17
Year 4		
Fall		
EDTP 412	Student Teaching: P-12	9
EDTP 477	Capstone Student Teaching Seminar - CUE	3
General Elective		3
Hours		15
Spring		
EDTP 355	Assessment and Research	3
EDTP 506	Public Schools in America: Understanding our Past to Envision our Future	3
SPAN 403	Foundations of Latin American Nations and Identities	3
or SPAN 404	or Cultural and Literary Perspectives on Modern Latin America	
Supporting Course		3
Supporting Course		3
Hours		15
Minimum Total Hours		125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan

to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

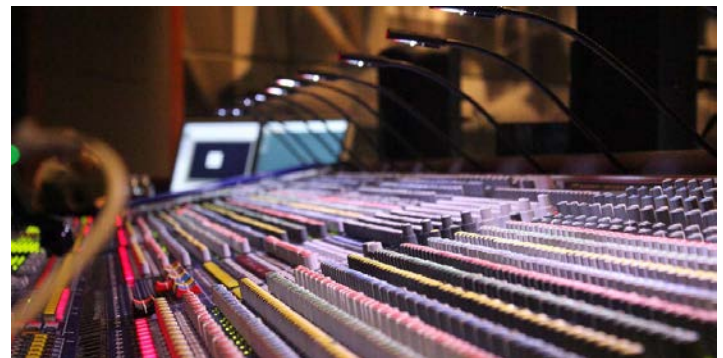
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music & New Media (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Music with Emphasis in Music & New Media

Unit: Music (<http://louisville.edu/music>)

Academic Plan Code(s): MUSIBA_MNMM

Program Information

The Music & New Media program provides training in digital media concepts and skills necessary for the creation and production of sound for public performance, music albums, digital video, internet applications, interactive media, cinema, commercials, video games, theater, dance, and software development.

Students have the flexibility in the curriculum to focus on their own goals and interests after completing the minimum requirements of the program in audio engineering, acoustics, sound design, electronic music, sound analysis, video generation, sound art, and creative new media projects. Students design and realize a Capstone project with direct faculty oversight. These projects reflect the student's own focus, interests, and goals.

The program is designed to prepare students for careers in music and new media arts that emphasize presentation, performance, and research with technology, including audio and video production for multimedia

communications, music recording, audio and video post-production, video art, sound engineering, sound design for film and gaming, sound art, sound and image research, public performance, and computer music composition.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)		31
College/School Requirements		38-40
Program/Major Requirements		49-51
Minimum Total Hours		120

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, DI
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II	4
MUS 241	Theory III	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (Principal Ensemble - minimum of four 1-hour courses) ⁴	4
MUS 109	Major Ensembles (minimum of four 1-hour courses) ⁵	4
MUS 97	Recital Attendance (six semesters with grade of S)	0
<i>Applied Instrument or Voice:</i> ⁶		4
One of the following sequences:		
MUS 125 & MUS 126 & MUS 225 & MUS 226	Arts Instrument	

-or-

MUS 105 & MUS 106	Jazz Applied	
MUS 131	Piano Class ^{7,8}	1
MUS 132	Piano Class ^{7,8}	1
MUS 350 or MUS 242	Analysis of Electronic Media Theory IV	2-4
MUS 100	Introduction to Music Study	1
MUS 197	Piano Proficiency	0
Minimum Total Hours		38-40

Program/Major Requirements

Code	Title	Hours
Music & New Media Courses		
MUS 170	Introduction to Musical Acoustics	2
MUS 171	Audio Engineering	2
MUS 270	Creative Audio Recording and Production Techniques	2
MUS 271	Sound Design	2
MUS 376	Sound Art	2
MUS 477	Special Topics in Music & New Media	2
Music Electives ⁹		2-4
General or Music Electives ^{9,10}		3
MUS 496	BA Capstone Project (CUE)	0
General Electives ¹⁰		32
Minimum Total Hours		49-51

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 496	BA Capstone Project	

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 Analysis I for BA General, MUS 349 Jazz Analysis for BA Jazz Studies, MUS 350 Analysis of Electronic Media for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

- 1 Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.
- 2 MUH courses may not be taken to fulfill any General Education requirement.
- 3 Students who do not pass the computer-based Fundamentals Test prior to beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass Theory I (MUS 141), and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 Musicianship I for the spring semester. Credits for MUS 92 do not count toward the degree.
- 4 Strings take section 01, others solely dependent on the ensemble audition.
- 5 Contingent on interest and audition.
- 6 The Piano Proficiency Examination is required for applied piano and organ majors.
- 7 If the applied area is piano or organ, Piano Class is replaced with 2 hours of music electives. The Piano Proficiency Examination may be taken in lieu of two semesters of Piano Class.
- 8 Students must pass the complete Piano Proficiency Examination before receiving credit for the final semester of the piano requirement. Students must be enrolled continuously in Piano Class until their piano requirement has been completed. Those who pass the Piano Proficiency Exam before the end of the second semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits.
- 9 Two (2) hours of music electives if MUS 242 Theory IV is chosen; four (4) hours of music electives if MUS 350 Analysis of Electronic Media is chosen. Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. For the Bachelor of Arts degree, in addition to the electives listed for the Bachelor of Music, applied music courses beyond the required four semesters are acceptable as music electives. MUH courses will not be accepted as music electives.
- 10 Non-music electives which include 18 hours in one area of concentration. At least nine (9) hours in the area of concentration, and a total of 12 of the 32 hours, must be at the 300-level or above. The student may choose to pursue a second major or take a minor in a non-music area. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 125	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 170	Introduction to Musical Acoustics	2
ENGL 101	Introduction to College Writing - WC	3

General Education: Cardinal Core Natural Science – S		3
Hours		16
Spring		
MUS 126	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class (or Music Elective)	1
MUS 197	Piano Proficiency	0
MUS 171	Audio Engineering	2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning – QR		3
Milestones after Year 1: 31 total hours, 2.5 GPA		
Hours		15
Year 2		
Fall		
MUS 225	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 271	Sound Design	2
Non-Music Elective in any other discipline		3
Non-Music Elective in any other discipline		1
General Education: Cardinal Core Natural Science – S		3
General Education: Cardinal Core Natural Science Lab – SL		1
Hours		16
Spring		
MUS 226	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 242	Theory IV	2-4
or MUS 350 or Analysis of Electronic Media		
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 270	Creative Audio Recording and Production Techniques	2
PAS 214	African-American Music - AH, D1	3
Non-Music Elective in chosen concentration		3
Milestones after Year 2: 62-64 total hours, 2.5 GPA		
Hours		15-17
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 350	Analysis of Electronic Media (not required if student completed MUS 242)	0-2
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
Non-Music Elective in chosen concentration		3
Non-Music Elective in any other discipline		3
General Education: Cardinal Core Oral Communication – OC		3
Hours		15-13
Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 376	Sound Art	2
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in chosen concentration		1
Non-Music Elective in any other discipline		3
General Education: Cardinal Core Arts & Humanities – AH		3
Milestones after Year 3: 93 total hours, 2.5 GPA		
Hours		16

Year 4

Fall		
MUS 109	Major Ensembles	1
MUS 477	Special Topics in Music & New Media	2
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in any other discipline (300 level or above)		3
Music Elective(s)		2
General Education: Cardinal Core Historical Perspective – SBH		3
Hours		14
Spring		
MUS 109	Major Ensembles	1
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in any other discipline		3
General or Music Electives		3
ANTH 205	Music in World Cultures - D2, SB	3
MUS 496	BA Capstone Project	0
Milestones after Year 4: 120 total hours, 2.5 GPA		
Hours		13
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

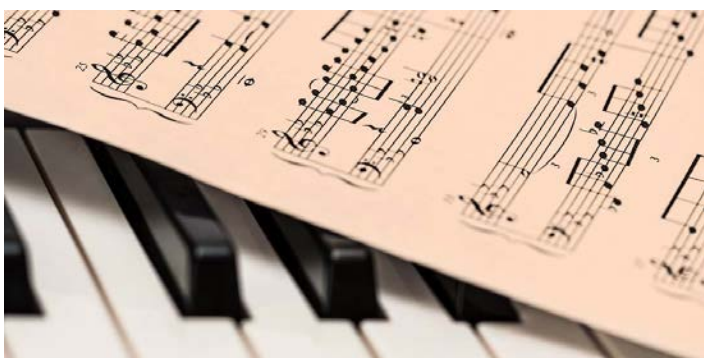
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Composition (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Composition

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBM_COM

Program Information

The Bachelor of Music Composition (BM) degree at UofL is a four-year program of study designed to develop a high level of expertise in music composition and related skills. In addition, the program encourages and promotes the development of each student's individual compositional "voice" or personality.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Major Requirements		44
Minimum Total Hours		122

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31
The following courses are required by this program and should be used to fulfill the respective General Education Requirement:		
PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3

MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class ⁵	1
MUS 132	Piano Class ⁵	1
MUS 231	Piano Class III ^{5,6}	1
MUS 347	Analysis I	2
MUS 111	Principal Applied Study ⁷	2
or MUS 105	Jazz Applied	
MUS 112	Principal Applied Study ⁷	2
or MUS 106	Jazz Applied	
MUS 211	Principal Applied Study ⁷	2
or MUS 205	Jazz Applied	
MUS 212	Principal Applied Study ⁷	2
or MUS 206	Jazz Applied	
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		47

Program/Major Requirements

Code	Title	Hours
Music Composition Requirements		
MUS 143	Composition and Orchestration	2
MUS 144	Composition and Orchestration	2
MUS 243	Composition and Orchestration ⁸	2
MUS 244	Composition and Orchestration ⁸	2
MUS 343	Composition and Orchestration ⁸	2
MUS 344	Composition and Orchestration ⁸	2
MUS 443	Composition and Orchestration ⁸	2
MUS 444	Composition and Orchestration - CUE ⁸	2
MUS 441	Composition Seminar (eight semesters)	0
MUS 353	Contemporary Composition Techniques I	2
MUS 354	Contemporary Composition Techniques II	2
MUS 348	Analysis II	2
MUS 270	Creative Audio Recording and Production Techniques	2
MUS 547	Chromatic Harmony and Analysis	2
MUS 548	Post-Tonal Theory and Analysis	2
MUS 549	Renaissance Counterpoint	2
MUS 550	Baroque Counterpoint	2
MUS 567	Introduction to Electronic and Computer Music	2
MUS 497	Senior Recital - CUE ⁹	0
Supporting Courses		
MUS 359	Conducting I	2
MUS 325	Arts Instrument (Applied Lessons)	1
MUS 326	Arts Instrument (Applied Lessons)	1
MUS 425	Arts Instrument (Applied Lessons)	1
MUS 426	Arts Instrument (Applied Lessons)	1
MUS 551	Studies in Improvisation	2

Electives ¹⁰	2
Minimum Total Hours	44

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361 Music Literature I; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

- Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.
- MUH courses may not be taken to fulfill any General Education requirement.
- Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- Strings take section 01, others solely dependent on the ensemble audition.
- If applied principal is piano, Piano Class is replaced with 3 hours of electives. For students with a piano background, three semesters of MUS 121-MUS 221 (Secondary Piano) may be substituted.
- Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the proficiency exam requirement is complete. Students must be enrolled continuously in Piano Class until their requirement has been completed. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits. Entering students who have a background in piano may register for Piano Proficiency MUS 297 for one semester with approval of the Keyboard Area.

- ⁷ Students may choose either the applied principal (non-jazz) lesson sequence (MUS 111, MUS 112, MUS 211, MUS 212, MUS 325, MUS 326, MUS 425, MUS 426) or applied jazz lesson sequence (MUS 105, MUS 106, MUS 205, MUS 206, MUS 325, MUS 326, MUS 425, MUS 426). Except upon petition and approval, students will be locked in to the entire sequence of either applied principal (non-jazz) or applied jazz lessons. Only instrumentalists with corresponding jazz instructors at UofL may opt for the applied jazz lesson sequence.
- ⁸ Undergraduate composition majors enrolled in MUS 243–MUS 444 are required to present public performances of their original works to average at least eight minutes of music per semester. The senior recital does not count toward these averages, but does fulfill the requirement for the semester in which it is given.
- ⁹ Students must present a recital of original works.
- ¹⁰ Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 109	Major Ensembles	1
MUS 111 or MUS 105	Principal Applied Study or Jazz Applied	2
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class (or Music Elective)	1
MUS 143	Composition and Orchestration	2
MUS 441	Composition Seminar	0
ENGL 101	Introduction to College Writing - WC	3
Hours		14
Spring		
MUS 112 or MUS 106	Principal Applied Study or Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class (or Music Elective)	1
MUS 144	Composition and Orchestration	2
MUS 441	Composition Seminar	0
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Year 2		
Fall		
MUS 211 or MUS 205	Principal Applied Study or Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0

MUS 243	Composition and Orchestration	2
MUS 353	Contemporary Composition Techniques I	2
MUS 441	Composition Seminar	0
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Spring		
MUS 212 or MUS 206	Principal Applied Study or Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 244	Composition and Orchestration	2
MUS 441	Composition Seminar	0
MUS 354	Contemporary Composition Techniques II	2
MUS 270	Creative Audio Recording and Production Techniques	2
Hours		16
Year 3		
Fall		
MUS 325	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 343	Composition and Orchestration	2
MUS 441	Composition Seminar	0
MUS 347	Analysis I	2
MUS 567	Introduction to Electronic and Computer Music	2
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		15
Spring		
MUS 326	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 344	Composition and Orchestration	2
MUS 441	Composition Seminar	0
MUS 359	Conducting I	2
MUS 348	Analysis II	2
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		17
Year 4		
Fall		
MUS 425	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 443	Composition and Orchestration	2
MUS 441	Composition Seminar	0
MUS 549	Renaissance Counterpoint	2
MUS 548	Post-Tonal Theory and Analysis	2
Music Electives		2
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Spring		
MUS 426	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 550	Baroque Counterpoint	2
MUS 551	Studies in Improvisation	2
MUS 444	Composition and Orchestration - CUE	2
MUS 441	Composition Seminar	0
MUS 547	Chromatic Harmony and Analysis	2

MUS 497	Senior Recital - CUE	0
General Education: Cardinal Core Natural Sciences - S		3
Hours		13
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Education (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music in Music Education

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): See Degree Requirements tab.

Program Information

The **Bachelor of Music in Music Education** program is designed to serve students seeking to develop the skills, experiences, and information to qualify graduates for public school music teacher "New Teacher" certification in the Commonwealth of Kentucky (P-12).

The **Bachelor of Music in Music Education, Pre-Certification**, program is designed for students intending to complete the degree in anticipation of enrollment in the Master of Arts in Teaching program (MAT), when

additional professional education, music education, research methods, and clinical education course work are required. More information on this program can be found on the BM in Music Education, Pre-Certification, catalog page (p. 297).

Degree Summaries

Music Education: Brass, Percussion, or Wind Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		58
Minimum Total Hours		135

Music Education: Brass, Percussion, or Wind Emphasis w/Track in Jazz Studies

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		57
Jazz Track Requirements		19
Minimum Total Hours		153

Music Education: Keyboard Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		57
Minimum Total Hours		134

Music Education: Keyboard Emphasis w/Track in Jazz Studies

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		58
Jazz Track Requirements		17
Minimum Total Hours		152

Music Education: Strings Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		59
Minimum Total Hours		136

Music Education: Strings Emphasis w/Track in Jazz Studies

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		58
Jazz Track Requirements		19
Minimum Total Hours		154

Music Education: Vocal Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Emphasis Requirements		57
Minimum Total Hours		134

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program. Students considering the tracks in Jazz Studies must audition and be admissible to both Music Education and Jazz Studies.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 100	Introduction to Music Study	1
Music Theory		16
MUS 141	Theory I ³	
MUS 142	Theory II ³	
MUS 241	Theory III	
MUS 242	Theory IV	

Music Literature		9
MUS 361	Music Literature I (1000-1750)	
MUS 362	Music Literature II (Classical & Early Romantic Music)	
MUS 363	Music Literature III (1860-present)	
MUS 109	Major Ensembles (Seven 1-hour courses) ⁴	7
MUS 97	Recital Attendance (six semesters of "S")	0
Piano Class/Voice Class		3
FOR STUDENTS WITH INSTRUMENTAL EMPHASIS		
MUS 131	Piano Class	
& MUS 132	Piano Class	
& MUS 231	Piano Class III	
& MUS 297	Piano Proficiency ⁵	
- OR FOR STUDENTS WITH VOICE EMPHASIS -		
MUS 131	Piano Class	
& MUS 132	Piano Class	
& MUS 231	Piano Class III	
& MUS 297	Piano Proficiency ⁵	
- OR FOR STUDENTS WITH INSTRUMENTAL EMPHASIS WITH TRACK IN JAZZ STUDIES -		
MUS 131	Piano Class	
& MUS 132	Piano Class	
& MUS 130	Jazz Piano Class	
& MUS 197	Piano Proficiency	
& MUS 198	Jazz Piano Proficiency ⁵	
- OR FOR STUDENTS WITH KEYBOARD EMPHASIS		
MUS 133	Functional Study	
& MUS 134	Functional Study	
& MUS 233	Functional Study	
& MUS 297	Piano Proficiency ⁵	
- OR FOR STUDENTS WITH KEYBOARD EMPHASIS WITH TRACK IN JAZZ STUDIES (Applied Voice)-		
MUS 133	Functional Study	
& MUS 134	Functional Study	
& MUS 233	Functional Study	
& MUS 197	Piano Proficiency	
& MUS 198	Jazz Piano Proficiency	
Applied Lessons (four 2-hour courses)		8
MUS 111	Principal Applied Study	
& MUS 112	Principal Applied Study	
MUS 211	Principal Applied Study	
& MUS 212	Principal Applied Study	
MUS 347	Analysis I (Jazz Track students take MUS 349)	2
Minimum Total Hours		46

- ¹ Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB .
- ² MUH courses may not be taken to fulfill any General Education requirement.
- ³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.

⁴ Seven semesters of Principal Ensemble. Strings take section 01, others solely dependent on the ensemble audition. Music Education students who are woodwind, brass, or percussion principals are required to fulfill two years of ensemble performance in the Marching Band. Entering students will be expected to fulfill this requirement during the freshman and sophomore years. Transfer students will be required to fulfill a minimum of one year. A second year may be required based upon evaluation of the transcript. Woodwind, brass, or percussion principals are also recommended to complete one semester of a Principal Jazz Ensemble. Jazz Track: take 6 semesters of "Classical" ensemble and 1 semester of a Principal Jazz Ensemble.)

⁵ Students must be enrolled continuously in Piano Class until their requirement has been completed. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with Secondary Piano if faculty load permits. Entering students who have a background in piano may register for MUS 297 Piano Proficiency for one semester with approval of the Keyboard Area. Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the Piano Proficiency Examination requirement is complete.

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV; MUS 361 Music Literature I; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Admission to Teacher Education

Students must apply to Teacher Education in the second semester of their Sophomore year (February 1st application deadline). Failure to be admitted to teacher education will delay students' ability to take advanced classes in music education and teacher education.

Requirements for application to teacher education are the following:

- Minimum 45 credit hours (completed or in progress at the time of application) with minimum 2.75 cumulative college grade point average;
- Grade of C+ or higher in MUS 116;
- Successful completion of an additional two credit hours of Music Education courses;

- Passing PPST PRAXIS I scores as follows: Math (150), Writing (162), Reading (156);
- C or better in ENGL 102;
- C or better in Oral Communication course (such as COMM 111 or COMM 115);
- Professional Statement (as directed in application);
- Three Letters of Recommendation (as directed in application);
- Successful Interview;
- Agreement to Professional Code of Ethics, Statement of Understanding of Admission Guidelines, and CEHD Acceptable Use of Technology forms (as directed in application).

Students must complete 200 hours of field observations and related activities, as outlined by the Education Professional Standards Board (EPSB) prior to being permitted to student teach. These field experiences must be non-paid experiences. This regulation will begin based on regulations and timelines stipulated by EPSB.

Students must be admitted to Teacher Education before being permitted to take the following upper-division music education courses:

Code	Title	Hours
MUS 228	Elementary School Music Methods	
MUS 328	Frameworks for Teaching Music in a Diverse Society	
MUS 337	Marching Band Methods	
MUS 338	Jazz Methods	
MUS 339	String Pedagogy and Educational String Literature	
MUS 428	Choral Techniques	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUED 401	Practical Applications in Music Education	
MUED 402	Practical Applications in Music Education	
MUED 520	Student Teaching Elementary School - CUE	
MUED 534	Student Teaching Secondary - CUE	
MUED 533	Human Interaction/Professional Growth	
MUED 556	Special Methods in Secondary Teaching	

Students must pass the Pre-Professional Standards Test (PPST) prior to student teaching and Praxis I and II exams as required by EPSB and obtain a "B" average in EDTP 420 and ECPY 507 (or approved Education course substitution).

Program/Major Requirements

Brass Emphasis

Academic Plan Code(s): MUEDBMEBRS

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Brass Emphasis		
MUS 253	Brass Methods	6
MUS 235	Woodwind Methods	
MUS 236	Advanced Woodwind Methods	

MUS 137	Percussion Methods	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 337	Marching Band Methods	1
MUS 359 & MUS 360	Conducting I Conducting II	4
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies course list below)	1
MUS 338	Jazz Methods	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 201	The Teaching Profession - SB	3
or EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	
EDTP 420	Reading and Writing Across the Curriculum	3
MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Supporting Courses		
Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study Principal Applied Study Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson *		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
Functional or Secondary Applied Lessons (1-2 credits) *		
MUS 577	Marching Band Drill Writing (2 credits)	
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		58

* Non-principal instrument

Brass Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEBRJ

Code	Title	Hours
Coursework listed above, minus MUS 118		57
MUS 105 & MUS 106 & MUS 205	Jazz Applied Jazz Applied Jazz Applied	6
MUS 109	Major Ensembles (Jazz Ensemble; two 1-hour courses)	2
MUS 119	Minor Ensembles (Jazz Combo; two additional half-hour courses)	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138 & MUS 340	Jazz Improvisation Jazz Improvisation II	
- or -		
MUS 340 & MUS 440	Jazz Improvisation II Jazz Improvisation III	
Minimum Total Hours		76

** Combination of courses determined by audition.

Keyboard Emphasis

Academic Plan Code(s): MUEDBMEKEY

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Vocal Emphasis		4
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 428	Choral Techniques	2
MUS 359 & MUS 360	Conducting I Conducting II	4
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation	1
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 201	The Teaching Profession - SB	3

or EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	
EDTP 420	Reading and Writing Across the Curriculum	3
MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Supporting Courses		
Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study	
MUS 571	Pedagogy (Voice Pedagogy)	2
MUS 234 & MUS 333	Functional Study (Voice)	2
MUS 123 & MUS 124	Diction	2
Two of the following three courses (five options for Jazz Track students):		4
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUS 435	Jazz Arranging I (Jazz Track students only)	
MUS 371	Piano Pedagogy I (Jazz Track students only)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
Minimum Total Hours		57

Keyboard Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEKEJ

Code	Title	Hours
Coursework listed above, minus MUS 118		56
MUS 105 & MUS 106 & MUS 205	Jazz Applied	6
MUS 109	Major Ensembles (Jazz Ensemble; two 1-hour courses)	2
MUS 119	Minor Ensembles (Jazz Combo; two additional half-hour courses)	1
MUS 351	Studies in Jazz (Jazz Style and Analysis MUS 351-01)	2
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 338	Jazz Methods	2
One of the following sequences:**		4
MUS 138 & MUS 340	Jazz Improvisation	
- or -		
MUS 340 & MUS 440	Jazz Improvisation II	
Minimum Total Hours		75

** Combination of courses determined by audition.

Percussion Emphasis

Academic Plan Code(s): MUEDBMEPER

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Percussion Emphasis		6
MUS 235	Woodwind Methods	
MUS 236	Advanced Woodwind Methods	
MUS 253	Brass Methods	
MUS 254	Advanced Brass Methods	
MUS 335	String Methods I	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 337	Marching Band Methods	1
MUS 359 & MUS 360	Conducting I	4
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 201	The Teaching Profession - SB	3
or EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	
EDTP 420	Reading and Writing Across the Curriculum	3
MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Supporting Courses		
Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson *		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
Functional or Secondary Applied Lessons (1-2 credits) *		

MUS 577	Marching Band Drill Writing (2 credits)	
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		58

* Non-principal instrument

Percussion Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPRJ

Code	Title	Hours
Coursework listed above, minus MUS 118		57
MUS 105 & MUS 106 & MUS 205	Jazz Applied	6
MUS 109	Major Ensembles (Principal Jazz Ensemble, two 1-hour courses)	2
MUS 119	Minor Ensembles (Jazz Combo; two additional half-hour courses)	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138 & MUS 340	Jazz Improvisation & Jazz Improvisation II	
- or -		
MUS 340 & MUS 440	Jazz Improvisation II & Jazz Improvisation III	
Minimum Total Hours		76

** Combination of courses determined by audition.

Wind Emphasis

Academic Plan Code(s): MUEDBMEWND

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Wind Emphasis		6
MUS 235	Woodwind Methods	
MUS 253	Brass Methods	
MUS 254	Advanced Brass Methods	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2

MUS 337	Marching Band Methods	1
MUS 359 & MUS 360	Conducting I & Conducting II	4

Practical Applications in Music Education (four half-hour courses)

MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
ECPY 507 or EDTP 107	Learning Theory and Human Growth and Development / Human Development and Learning	3
EDTP 201 or EDTP 502	The Teaching Profession - SB / Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
EDTP 420	Reading and Writing Across the Curriculum	3
MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5

Supporting Courses

Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson *		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
Functional or Secondary Applied Lessons (1-2 credits) *		
MUS 577	Marching Band Drill Writing (2 credits)	
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		58

* Non-principal instrument

Wind Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEWNJ

Code	Title	Hours
Coursework listed above, minus MUS 118		57
MUS 105 & MUS 106 & MUS 205	Jazz Applied	6
MUS 109	Major Ensembles (Jazz Ensemble, two 1-hour courses)	2

MUS 119	Minor Ensembles (two additional half-hour courses)	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138 Jazz Improvisation & MUS 340 Jazz Improvisation II		
- or -		
MUS 340 Jazz Improvisation II & MUS 440 Jazz Improvisation III		
Minimum Total Hours		76

** Combination of courses determined by audition.

Strings Emphasis

Academic Plan Code(s): MUEDBMESTR

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Strings Emphasis		6
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 336	String Methods II	
MUS 339	String Pedagogy and Educational String Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 227	Voice Class	1
MUS 359 & MUS 360	Conducting I Conducting II	4
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
ECPY 507 or EDTP 107	Learning Theory and Human Growth and Development Human Development and Learning	3
EDTP 201 or EDTP 502	The Teaching Profession - SB Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
EDTP 420	Reading and Writing Across the Curriculum	3

MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5

Supporting Courses

Applied Lesson (three 2-hour courses)		6
MUS 311 Principal Applied Study & MUS 312 Principal Applied Study & MUS 411 Principal Applied Study		
MUS 345	Orchestral Scoring	2
MUS 346	Band/Choral Scoring	2
or MUED 505 Introduction to Orff Schulwerk: Music & Movement Education		
MUS 119	Minor Ensembles (two half-hour courses)	1
Functional of Secondary Applied Lessons *		3
MUED 102	Practical Applications in Music Education	0.5
MUED 401	Practical Applications in Music Education	0.5
Minimum Total Hours		59

* Non-principal instrument

Strings Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMESTJ

Code	Title	Hours
Coursework listed above, minus MUS 118		58
MUS 105 & MUS 106 & MUS 205	Jazz Applied Jazz Applied Jazz Applied	6
MUS 109	Major Ensembles (Jazz Ensemble; two 1-hour courses)	2
MUS 119	Minor Ensembles (Jazz Combo; two additional half-hour courses)	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
One of the following sequences:**		4
MUS 138 Jazz Improvisation & MUS 340 Jazz Improvisation II		
- or -		
MUS 340 Jazz Improvisation II & MUS 440 Jazz Improvisation III		
Minimum Total Hours		77

** Combination of courses determined by audition.

Vocal Emphasis

Academic Plan Code(s): MUEDBMEVOC

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Vocal Emphasis		4
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 428	Choral Techniques	2
MUS 359	Conducting I	4
& MUS 360	Conducting II	
Practical Applications in Music Education (four half-hour courses)		2
MUED 201	Practical Applications in Music Education	
& MUED 202	Practical Applications in Music Education	
& MUED 301	Practical Applications in Music Education	
& MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation	1
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 201	The Teaching Profession - SB	3
or EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	
EDTP 420	Reading and Writing Across the Curriculum	3
MUED 533	Human Interaction/Professional Growth	2
MUED 556	Special Methods in Secondary Teaching	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Supporting Courses		
Applied Lesson (three 2-hour courses)		6
MUS 311	Principal Applied Study	
& MUS 312	Principal Applied Study	
& MUS 411	Principal Applied Study	
MUS 571	Pedagogy (Voice Pedagogy)	2
MUS 331	Piano Class	2
& MUS 332	Piano Class	
MUS 123	Diction	2
& MUS 124	Diction	
Two of the following three courses:		4
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
Minimum Total Hours		57

Code	Title	Hours
Culminating Undergraduate Experience - all tracks listed above		
<i>(Graduation requirement)</i>		
Requirement fulfilled by completing:		
MUED 520	Student Teaching Elementary School - CUE	
MUED 534	Student Teaching Secondary - CUE	

Flight Plans, BM in Music Education

Flight Plans for Emphases with tracks in Jazz Studies are on the following tabs (Jazz Flight Plans, Even and Jazz Flight Plans, Odd).

Vocal Emphasis

Academic Plan Code(s): MUEDBMEVOC

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class (or MUS 133 Voice for piano principals)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 132	Piano Class (or MUS 134 Voice for piano principals)	1
MUS 124	Diction	1
MUS 116	Introduction to Music Education	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 137	Percussion Methods	1
MUS 231	Piano Class III (or MUS 233 Voice for piano principals)	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 229	Introduction to Woodwinds	1
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		17.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 331	Piano Class (or MUS 234 Voice for piano principals)	1
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
Hours		16.5

Summer

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Hours	3

Year 3

Fall

MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 252	Introduction to Brass	1
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 332	Piano Class (or MUS 333 Voice for piano principals)	1
MUS 347	Analysis I	2
Select one of the following:		2
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
MUED 301	Practical Applications in Music Education	0.5
MUS 228	Elementary School Music Methods	2
MUS 335	String Methods I	1
Hours		15.5

Spring

MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 363	Music Literature III (1860-present)	3
Select one of the following:		2
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
MUED 302	Practical Applications in Music Education	0.5
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 360	Conducting II (MUS 360-01)	2
MUS 428	Choral Techniques	2
EDTP 201	The Teaching Profession - SB	3
Hours		17.5

Summer

General Education: Cardinal Core Arts & Humanities - AH	3
Hours	3

Year 4

Fall

MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 571	Pedagogy (Voice Pedagogy)	2
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S	3	
General Education: Cardinal Core Natural Sciences Lab - SL	1	
Hours		17

Spring

MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		134

Keyboard Emphasis

Academic Plan Code(s): MUEDBMEKEY

Course	Title	Hours
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Year 1

Fall

MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16

Spring

MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 134	Functional Study (Voice)	1
MUS 124	Diction	1
MUS 116	Introduction to Music Education	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Year 2

Fall

MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 233	Functional Study (Voice)	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		17.5

Spring

MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 234	Functional Study (Voice)	1
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
Hours		16.5

Summer

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Hours	3

Year 3

Fall

MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-02)	0

MUS 252	Introduction to Brass	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 333	Functional Study (Voice)	1
Select one of the following:		2
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
MUED 301	Practical Applications in Music Education	0.5
MUS 228	Elementary School Music Methods	2
MUS 335	String Methods I	1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 363	Music Literature III (1860-present)	3
Select one of the following:		2
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
MUED 302	Practical Applications in Music Education	0.5
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 360	Conducting II (MUS 360-01)	2
MUS 428	Choral Techniques	2
EDTP 201	The Teaching Profession - SB	3
Hours		17.5
Summer		
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		3
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 571	Pedagogy (Voice Pedagogy)	2
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		134

Brass Emphasis

Academic Plan Code(s): MUEDBMEBRS

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0

MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Summer		
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		3
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
Functional or Secondary Applied Lesson		1
Hours		16
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
Hours		17
Summer		
General Education: Cardinal Core Natural Sciences - S		3
Hours		3
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1

MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUED 556	Special Methods in Secondary Teaching	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUED 302	Practical Applications in Music Education	0.5
MUS 338	Jazz Methods	2
Supplemental Course		2
Hours		17.5
Summer		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		3
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 137	Percussion Methods	1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		135

Percussion Emphasis

Academic Plan Code(s): MUEDBMEPER

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1

MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Summer		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		3
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1
EDTP 201	The Teaching Profession - SB	3
Hours		16
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
Hours		17
Summer		
General Education: Cardinal Core Natural Sciences - S		3
Hours		3
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUS 254	Advanced Brass Methods	1
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 342	Band Pedagogy and Educational Wind Band Literature	1

MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 338	Jazz Methods	2
Hours		16.5
Summer		
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		3
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
Supplemental Course		2
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		18
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Hours		12
Minimum Total Hours		135

Strings Emphasis

Academic Plan Code(s): MUEDBMESTR

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-03)	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUED 102	Practical Applications in Music Education (MUED 102-02)	0.5
MUS 137	Percussion Methods	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		17
Summer		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		3
Year 2		
Fall		
MUS 211	Principal Applied Study	2

MUS 109	Major Ensembles (MUS 109-01)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-03)	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 229	Introduction to Woodwinds	1
MUS 335	String Methods I	1
MUS 227	Voice Class	1
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-03)	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 336	String Methods II	1
Functional or Secondary Applied Lesson		1
PAS 214	African-American Music - AH, D1	3
Hours		17.5
Summer		
General Education: Cardinal Core Natural Sciences - S		3
Hours		3
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 97	Recital Attendance (MUS 97-03)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 360	Conducting II	2
MUS 345	Orchestral Scoring	2
MUS 228	Elementary School Music Methods	2
MUS 339	String Pedagogy and Educational String Literature	1
MUED 301	Practical Applications in Music Education	0.5
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 97	Recital Attendance (MUS 97-03)	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
or MUED 505	or Introduction to Orff Schulwerk: Music & Movement Education	
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
ECPY 507	Learning Theory and Human Growth and Development	3
Functional or Secondary Applied Lesson		1
MUS 338	Jazz Methods	2
MUED 302	Practical Applications in Music Education	0.5
Hours		16.5
Summer		
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		3
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles (MUS 109-01)	1
MUS 252	Introduction to Brass	1

EDTP 420	Reading and Writing Across the Curriculum	3
MUED 401	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
Functional or Secondary Applied Lesson		1
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17.5
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE	5
MUED 534	Student Teaching Secondary - CUE	5
Hours		12
Minimum Total Hours		136

Wind Emphasis

Academic Plan Code(s): MUEDBMEWND

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15.5
Summer		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		3
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1

General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
Hours		16
Summer		
General Education: Cardinal Core Natural Sciences - S		3
Hours		3
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		2
Hours		16.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUS 254	Advanced Brass Methods	1
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUED 302	Practical Applications in Music Education	0.5
MUS 338	Jazz Methods	2
MUED 556	Special Methods in Secondary Teaching	2
Supplemental Course		1
Hours		17.5
Summer		
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		3
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 137	Percussion Methods	1
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5

MUED 534	Student Teaching Secondary - CUE (CUE)	5
	Hours	12
	Minimum Total Hours	135

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plans, Emphases with Tracks in Jazz Studies, Even-Year Starts

Flight Plans for Emphases without tracks in Jazz Studies are on the preceding tab (Flight Plans).

The four-year plans of study listed below are applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.). Students starting in odd-numbered years should refer to the Jazz Flight Plans, Odd tab.

Brass Emphasis, Track in Jazz Studies, Even-Year Starts

Academic Plan Code(s): MUEDBMEBRJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
	Applied Lesson	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
	General Education: Cardinal Core Oral Communication - OC	3
	Hours	15.5
Spring		
	Applied Lesson	2

MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340 MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
	Hours	14.5

Year 2

Fall

	Applied Lesson	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
	General Education: Cardinal Core Quantitative Reasoning - QR	3
	Hours	15

Spring

	Applied Lesson	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
	General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
	Hours	16

Year 3

Fall

	Applied Lesson	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 235	Woodwind Methods	1
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
	MUS 440 Jazz Improvisation III (if student does not take MUS 138)	
MUS 435	Jazz Arranging I	2
	Hours	16.5

Spring

	Applied Lesson	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 236	Advanced Woodwind Methods	1
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5

MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
Supplemental Course		1
Hours		16
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
Supplemental Course		1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 349	Jazz Analysis	2
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Arts & Humanities - AH		3
PAS 214	African-American Music - AH, D1	3
Hours		15
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
Supplemental Course		1
EDTP 201	The Teaching Profession - SB	3
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		17
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		153

Percussion Emphasis, Track in Jazz Studies, Even-Year Starts

Academic Plan Code(s): MUEDBMEPRJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1

MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340 MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5

Year 2

Fall

Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1
MUS 235	Woodwind Methods	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17

Year 3

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 440	Jazz Improvisation III (If student does not take MUS 138)	2
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435	Jazz Arranging I	2
Hours		15.5

Spring

Applied Lesson		2
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MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 351	Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
Supplemental Course		1
Hours		17
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 335	String Methods I	1
Supplemental Course		1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 254	Advanced Brass Methods	1
EDTP 201	The Teaching Profession - SB	3
MUS 349	Jazz Analysis	2
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		17
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
Supplemental Course		1
General Education: Cardinal Core Natural Sciences - S		3
Hours		13
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		153

Strings Emphasis, Track in Jazz Studies, Even-Year Starts

Academic Plan Code(s): MUEDBMESTJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340 MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
MUED 102	Practical Applications in Music Education	0.5
Hours		15
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 137	Percussion Methods	1
MUED 201	Practical Applications in Music Education	0.5
MUS 229	Introduction to Woodwinds	1
MUS 119	Minor Ensembles	0.5
MUS 335	String Methods I	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 119	Minor Ensembles	0.5
MUS 336	String Methods II	1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17
Year 3		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0

MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 345	Orchestral Scoring	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUED 301	Practical Applications in Music Education	0.5
MUS 339	String Pedagogy and Educational String Literature	1
MUS 440	Jazz Improvisation III (if student doesn't take MUS 138)	
Hours		17.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
or MUED 505	or Introduction to Orff Schulwerk: Music & Movement Education	
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style Analysis)	2
Functional or Secondary Applied Lesson		1
Hours		16.5
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
Functional or Secondary Applied Lesson		1
MUS 252	Introduction to Brass	1
MUS 227	Voice Class	1
MUED 401	Practical Applications in Music Education	0.5
General Education: Cardinal Core Arts & Humanities – AH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 349	Jazz Analysis	2
Functional or Secondary Applied Lesson		1
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		14
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Science – S		3
Hours		14
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		154

Wind Emphasis, Track in Jazz Studies, Even-Year Starts

Academic Plan Code(s): MUEDBMEWNJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take	2
or MUS 340	MUS 340 in Fall, Year 2)	
	or Jazz Improvisation II	
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
Functional or Secondary Applied Lesson		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Hours	16

Year 3

Fall

Applied Lesson	2
MUS 109 Major Ensembles	1
MUS 97 Recital Attendance	0
MUS 362 Music Literature II (Classical & Early Romantic Music)	3
MUS 360 Conducting II (MUS 360-02)	2
MUS 228 Elementary School Music Methods	2
MUS 337 Marching Band Methods	1
MUED 301 Practical Applications in Music Education	0.5
MUS 351 Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435 Jazz Arranging I	2
MUS 440 Jazz Improvisation III (if student not take MUS 138)	
Hours	15.5

Spring

MUS 109 Major Ensembles	1
Applied Lesson	2
MUS 97 Recital Attendance	0
MUS 363 Music Literature III (1860-present)	3
MUS 346 Band/Choral Scoring	2
MUS 328 Frameworks for Teaching Music in a Diverse Society	2
MUED 302 Practical Applications in Music Education	0.5
MUS 342 Band Pedagogy and Educational Wind Band Literature	1
MUS 119 Minor Ensembles	0.5
MUS 351 Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
MUED 556 Special Methods in Secondary Teaching	2
Hours	16

Year 4

Fall

Applied Lesson	2
Applied Lesson	2
MUS 109 Major Ensembles	1
MUS 119 Minor Ensembles	0.5
MUS 137 Percussion Methods	1
MUS 253 Brass Methods	1
Supplemental Course	1
ANTH 205 Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S	3
General Education: Cardinal Core Natural Sciences Lab - SL	1
Hours	15.5

Spring

Applied Lesson	2
MUS 109 Major Ensembles	1
MUS 338 Jazz Methods	2
Supplemental Course	1
MUS 254 Advanced Brass Methods	1
MUS 349 Jazz Analysis	2
EDTP 201 The Teaching Profession - SB	3
PAS 214 African-American Music - AH, D1	3
Hours	15

Year 5

Fall

Applied Lesson	2
MUS 109 Major Ensembles	1
EDTP 420 Reading and Writing Across the Curriculum	3
ECPY 507 Learning Theory and Human Growth and Development	3
Supplemental Course	1
General Education: Cardinal Core Natural Sciences - S	3

General Education: Cardinal Core Arts & Humanities - AH	3
Hours	16

Spring

MUED 533 Human Interaction/Professional Growth	2
MUED 520 Student Teaching Elementary School - CUE (CUE)	5
MUED 534 Student Teaching Secondary - CUE (CUE)	5
Hours	12
Minimum Total Hours	153

Keyboard Emphasis, Track in Jazz Studies, Even-Year Starts

Academic Plan Code(s): MUEDBMEKEJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 134	Functional Study (Voice)	1
MUS 116	Introduction to Music Education	1
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
MUS 124	Diction	1
MUS 197	Piano Proficiency	0
ENGL 102	Intermediate College Writing - WC	3
Hours		15

Year 2

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUS 198	Jazz Piano Proficiency	0
MUS 233	Functional Study (Voice)	1
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1

MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 234	Functional Study (Voice)	1
MUS 349	Jazz Analysis	2
Hours		15.5

Year 3

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUED 301	Practical Applications in Music Education	0.5
MUS 333	Functional Study (Voice)	1
MUS 440	Jazz Improvisation III (if student did not take MUS 138)	1
MUS 252	Introduction to Brass	1
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
Supplemental Course		2
Hours		16.5

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 351	Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
MUED 302	Practical Applications in Music Education	0.5
MUS 428	Choral Techniques	2
MUS 119	Minor Ensembles	0.5
MUS 338	Jazz Methods	2
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		18

Year 4

Fall

Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 335	String Methods I	1
Supplemental Course		2
MUS 571	Pedagogy (Voice Pedagogy)	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
EDTP 201	The Teaching Profession - SB	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
PAS 214	African-American Music - AH, D1	3
Hours		15.5

Year 5

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3

ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S		3
Hours		14
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		152

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plans, Emphases with Tracks in Jazz Studies, Odd-Year Starts

Four-year plans of study for Emphases without tracks in Jazz Studies are on the preceding, Flight Plan tab.

The four-year plans of study listed below are applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.). Students starting in even-numbered years should refer to the Jazz Flight Plans, Even tab.

Brass Emphasis, Track in Jazz Studies, Odd-Year Starts

Academic Plan Code(s): MUEDBMEBRJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1

MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take	2
or MUS 340	MUS 340 in Fall, Year 3) or Jazz Improvisation II	
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		17
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Year 3		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
Supplemental Course		1
MUS 340	Jazz Improvisation II	2
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1

MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUS 349	Jazz Analysis	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
Supplemental Course		1
Hours		15
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
Supplemental Course		2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUS 440	Jazz Improvisation III (if student does not take MUS 138)	
General Education: Cardinal Core Natural Sciences - S		3
Hours		16.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 236	Advanced Woodwind Methods	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Arts & Humanities - AH		3
PAS 214	African-American Music - AH, D1	3
Hours		16
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		154

Percussion Emphasis, Track in Jazz Studies, Odd-Year Starts

Academic Plan Code(s): MUEDBMEPRJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 3) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
Functional or Secondary Applied Lesson		1
MUS 235	Woodwind Methods	1
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective-SBH		3
Hours		17
Year 3		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II	2
Supplemental Course		1
MUED 301	Practical Applications in Music Education	0.5
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 349	Jazz Analysis	2
Hours		16
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 335	String Methods I	1
Supplemental Course		1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138)	
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 254	Advanced Brass Methods	1
MUS 338	Jazz Methods	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
EDTP 201	The Teaching Profession - SB	3
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		17
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
Supplemental Course		1
MUS 435	Jazz Arranging I	2
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		153

Strings Emphasis, Track in Jazz Studies, Odd-Year Starts

Academic Plan Code(s): MUEDBMESTJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 3) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUS 119	Minor Ensembles	0.5
MUS 335	String Methods I	1
MUED 102	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 201	Practical Applications in Music Education	0.5
MUS 119	Minor Ensembles	0.5
MUS 336	String Methods II	1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17

Year 3

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 345	Orchestral Scoring	2
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II	2
MUED 202	Practical Applications in Music Education	0.5
Hours		15.5

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346 or MUED 505	Band/Choral Scoring or Introduction to Orff Schulwerk: Music & Movement Education	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 339	String Pedagogy and Educational String Literature	1
MUED 301	Practical Applications in Music Education	0.5
MUS 349	Jazz Analysis	2
Functional or Secondary Applied Lesson		1
General Education: Cardinal Core Arts & Humanities-AH		3
Hours		17.5

Year 4

Fall

Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
Functional or Secondary Applied Lesson		1
MUS 252	Introduction to Brass	1
MUS 227	Voice Class	1
MUED 302	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138)	2
General Education: Cardinal Core Natural Sciences - S		3
Hours		15.5

Spring

Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUED 401	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		14.5

Year 5

Fall

Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2

General Education: Cardinal Core Natural Science – S	3
General Education: Cardinal Core Natural Sciences Lab-SL	1
Hours	15
Spring	
MUED 533 Human Interaction/Professional Growth	2
MUED 520 Student Teaching Elementary School - CUE (CUE)	5
MUED 534 Student Teaching Secondary - CUE (CUE)	5
Hours	12
Minimum Total Hours	154

Wind Emphasis, Track in Jazz Studies, Odd-Year Starts

Academic Plan Code(s): MUEDBMEWNJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340	2
	MUS 340 in Fall, Year 3)	
	or Jazz Improvisation II	
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3

MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Year 3		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 137	Percussion Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II	2
Functional or Secondary Applied Lesson		1
Hours		16.5
Spring		
MUS 109	Major Ensembles	1
Applied Lesson		2
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 349	Jazz Analysis	2
MUS 119	Minor Ensembles	0.5
MUED 556	Special Methods in Secondary Teaching	2
Hours		16
Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138)	
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
Supplemental Course		1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		15.5
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
Supplemental Course		1
MUS 254	Advanced Brass Methods	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities-AH		3
Hours		15

Year 5		Hours
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
EDTP 201	The Teaching Profession - SB	3
Supplemental Course		1
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		153

Keyboard Emphasis, Track in Jazz Studies, Odd-Year Starts

Academic Plan Code(s): MUEDBMEKEJ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 134	Functional Study (Voice)	1
MUS 116	Introduction to Music Education	1
MUS 138	Jazz Improvisation (students taking MUS 138 take	2
or MUS 340	MUS 340 in Fall, Year 3)	
	or Jazz Improvisation II	
MUS 124	Diction	1
MUS 197	Piano Proficiency	0
ENGL 102	Intermediate College Writing - WC	3
Hours		15
Year 2		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUED 201	Practical Applications in Music Education	0.5
MUS 233	Functional Study (Voice)	1

EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5

Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 234	Functional Study (Voice)	1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective-SBH		3
Hours		16.5

Year 3		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUED 301	Practical Applications in Music Education	0.5
MUS 333	Functional Study (Voice)	1
MUS 252	Introduction to Brass	1
Supplemental Course		2
MUS 340	Jazz Improvisation II	2
MUS 198	Jazz Piano Proficiency	0
Hours		16.5

Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
Supplemental Course		2
MUED 302	Practical Applications in Music Education	0.5
MUS 428	Choral Techniques	2
MUS 119	Minor Ensembles	0.5
MUS 349	Jazz Analysis	2
Hours		17

Year 4		
Fall		
Applied Lesson		2
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 335	String Methods I	1
MUS 440	Jazz Improvisation III (Course required unless student placed into MUS 138)	
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 571	Pedagogy (Voice Pedagogy)	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14

Spring		
Applied Lesson		2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
ANTH 205	Music in World Cultures - D2, SB	3

PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14.5
Year 5		
Fall		
Applied Lesson		2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S		3
Hours		14
Spring		
MUED 533	Human Interaction/Professional Growth	2
MUED 520	Student Teaching Elementary School - CUE (CUE)	5
MUED 534	Student Teaching Secondary - CUE (CUE)	5
Hours		12
Minimum Total Hours		152

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Education, Pre-Certification (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music in Music Education, Pre-Certification

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): See Degree Requirements tab.

Program Information

The **Bachelor of Music in Music Education, Pre-Certification** program is designed for students intending to complete the degree in anticipation of enrollment in the Master of Arts in Teaching program (MAT), when additional professional education, music education, research methods, and clinical education course work are required.

The **Bachelor of Music in Music Education** program is designed to serve students seeking to develop the skills, experiences, and information to qualify graduates for public school music teacher "New Teacher" certification in the Commonwealth of Kentucky (P-12). More information on this program can be found on the BM in Music Education catalog page (p. 273).

Degree Summaries

Music Education (Pre-Certification): Brass, Percussion, or Wind Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Emphasis Requirements		46
Minimum Total Hours		124

Music Education (Pre-Certification): Brass, Percussion, or Wind Emphasis w/Track in Jazz Studies

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Emphasis Requirements		45
Track Requirements		19
Minimum Total Hours		142

Music Education (Pre-Certification): Keyboard Emphasis

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Emphasis Requirements		48
Minimum Total Hours		126

Music Education (Pre-Certification): Keyboard Emphasis w/Track in Jazz Studies

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Emphasis Requirements	47
	Track Requirements	21
	Minimum Total Hours	146

Music Education (Pre-Certification): Strings Emphasis

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Emphasis Requirements	47
	Minimum Total Hours	125

Music Education (Pre-Certification): Strings Emphasis w/Track in Jazz Studies

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Emphasis Requirements	46
	Track Requirements	19
	Minimum Total Hours	143

Music Education (Pre-Certification): Vocal Emphasis

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Emphasis Requirements	48
	Minimum Total Hours	126

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program. Students considering the Tracks in Jazz Studies must audition and be admissible to both Music Education and Jazz Studies.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
Music Theory		16
MUS 141	Theory I ²	
MUS 142	Theory II ²	
MUS 241	Theory III	
MUS 242	Theory IV	
Music Literature		9
MUS 361	Music Literature I (1000-1750)	
MUS 362	Music Literature II (Classical & Early Romantic Music)	
MUS 363	Music Literature III (1860-present)	
MUS 109	Major Ensembles (Eight 1-hour courses) ³	8
MUS 97	Recital Attendance (six semesters of "S")	0
Piano Class/Voice Class ⁴		3
MUS 131	Piano Class	
& MUS 132	Piano Class	
& MUS 231	Piano Class III	
& MUS 297	Piano Proficiency (Instrument/Voice)	
- or for Jazz Track students-		
MUS 131	Piano Class	
& MUS 132	Piano Class	
& MUS 130	Jazz Piano Class	
& MUS 197	Piano Proficiency (Instrument/Voice, Jazz tracks)	
- or keyboard students (Voice lessons) -		
MUS 133	Functional Study	
& MUS 134	Functional Study	
& MUS 233	Functional Study	
& MUS 197	Piano Proficiency	
& MUS 198	Jazz Piano Proficiency	
Applied Lessons (four 2-hour courses)		8
MUS 111	Principal Applied Study	
& MUS 112	Principal Applied Study	
MUS 211	Principal Applied Study	
& MUS 212	Principal Applied Study	
MUS 347	Analysis I (Jazz Track students take MUS 349)	2
MUS 100	Introduction to Music Study	1
Minimum Total Hours		47

- ¹ MUH courses may not be taken to fulfill any General Education requirement.
- ² Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- ³ Strings take section 01, others solely dependent on the ensemble audition. Music Education students who are woodwind, brass, or percussion principals are required to fulfill two years of ensemble performance in the Marching Band. Entering students will be expected to fulfill this requirement during the freshman and sophomore years. Transfer students will be required to fulfill a minimum of one year. A second year may be required based upon evaluation of the transcript. Woodwind, brass, or percussion principals are also recommended to complete one semester of a Principal Jazz Ensemble.
- ⁴ Piano Principals will replace Piano Class with Functional Voice Study MUS 133, MUS 134, and MUS 233. Students must be enrolled continuously in Piano Class until their requirement has been completed. Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the Piano Proficiency Examination requirement is complete. Students in the Tracks in Jazz Studies who are not required to take MUS 231 will take the Piano Proficiency Examination at the end of MUS 132. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with Secondary Piano if faculty load permits. Entering students who have a background in piano may register for Piano Proficiency MUS 297 for one semester with approval of the Keyboard Area.

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV; MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S, for 4 semesters; Ensemble Participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105 and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Admission to Teacher Education

Students must apply to Teacher Education in the second semester of their Sophomore year (February 1 application deadline). Failure to

be admitted to teacher education will delay students' ability to take advanced classes in music education and teacher education.

Requirements for application to teacher education are the following:

- Minimum 45 credit hours (completed or in progress at the time of application) with minimum 2.75 cumulative college grade point average;
- Grade of C+ or higher in MUS 116;
- Successful completion of an additional two credit hours of Music Education courses;
- Passing PPST PRAXIS I scores as follows: Math (150), Writing (162), Reading (156);
- C or better in ENGL 102;
- C or better in Oral Communication course (such as COMM 111 or COMM 115);
- Professional Statement (as directed in application);
- Three Letters of Recommendation (as directed in application);
- Successful Interview;
- Agreement to Professional Code of Ethics, Statement of Understanding of Admission Guidelines, and CEHD Acceptable Use of Technology forms (as directed in application).

Students must complete 200 hours of field observations and related activities, as outlined by the Education Professional Standards Board (EPSB) prior to being permitted to student teach. These field experiences must be non-paid experiences. This regulation will begin based on regulations and timelines stipulated by EPSB.

Students must be admitted to Teacher Education before being permitted to take the following upper-division music education courses:

Code	Title	Hours
MUS 228	Elementary School Music Methods	
MUS 328	Frameworks for Teaching Music in a Diverse Society	
MUS 337	Marching Band Methods	
MUS 338	Jazz Methods	
MUS 339	String Pedagogy and Educational String Literature	
MUS 428	Choral Techniques	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUED 401	Practical Applications in Music Education	
MUED 402	Practical Applications in Music Education	
MUED 520	Student Teaching Elementary School - CUE	
MUED 534	Student Teaching Secondary - CUE	
MUED 533	Human Interaction/Professional Growth	
MUED 556	Special Methods in Secondary Teaching	

Students must pass the Pre-Professional Standards Test (PPST) prior to student teaching and Praxis I and II exams as required by EPSB and obtain a B average in EDTP 420 and ECPY 507 (or approved Education course substitution).

Program/Major Requirements

Note: All full-time undergraduate music majors are required to participate each semester in the principal ensemble designated for their primary

instrument. Specific ensemble assignment is dependent on the result of the ensemble auditions.

- Strings: Symphony Orchestra
- Woodwind, Brass, or Percussion: Symphonic Band, Concert Band, Wind Ensemble, Wind Symphony, Marching Band, Community Band
- Voice: Collegiate Chorale, University Chorus
- Keyboard/Guitar: Any of the above depending upon qualifications and/or interests
- Jazz: Jazz Ensemble, Jazz Lab, Jazz Repertory Ensemble, Vocal Jazz Ensemble

Brass Emphasis

Academic Plan Code(s): MUEDBMEPBR

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Brass Emphasis		6
MUS 253	Brass Methods	
MUS 235	Woodwind Methods	
MUS 236	Advanced Woodwind Methods	
MUS 137	Percussion Methods	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 337	Marching Band Methods	1
MUS 359 & MUS 360	Conducting I Conducting II	4
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies course list below)	1
MUS 338	Jazz Methods	2
MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0
Supportive Area		

Applied "Classical" Lessons (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study Principal Applied Study Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson on non-principal instrument		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
Functional or Secondary Applied Lessons (1-2 credits) *		
MUS 577	Marching Band Drill Writing (2 credits)	
Introduction to Orff Schulwerk (1-2 credits)		
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		46

* Non-principal instrument

Brass Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPBJ

Code	Title	Hours
Coursework listed above, minus MUS 118		45
MUS 105 & MUS 106	Jazz Applied Jazz Applied	4
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles (two 1-hour Jazz Ensembles)	2
MUS 119	Minor Ensembles (two additional half-hour Jazz Minor Ensembles)	1
MUS 351	Studies in Jazz (Jazz Style and Analysis MUS 351-01)	2
MUS 351	Studies in Jazz (Jazz Theory-MUS 351-02)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138 & MUS 340	Jazz Improvisation Jazz Improvisation II	
- or -		
MUS 340 & MUS 440	Jazz Improvisation II Jazz Improvisation III	
Minimum Total Hours		64

** Determined by audition

Wind Emphasis

Academic Plan Code(s): MUEDBMEPW

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Wind Emphasis		6

MUS 235	Woodwind Methods	
MUS 253	Brass Methods	
MUS 254	Advanced Brass Methods	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 337	Marching Band Methods	1
MUS 359	Conducting I	4
& MUS 360	Conducting II	
Practical Applications in Music Education (four half-hour courses)		2
MUED 201	Practical Applications in Music Education	
& MUED 202	Practical Applications in Music Education	
& MUED 301	Practical Applications in Music Education	
& MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0
Supportive Area		
Applied Lesson (three 2-hour courses)		6
MUS 311	Principal Applied Study	
& MUS 312	Principal Applied Study	
& MUS 411	Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson on non-principal instrument		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
Functional or Secondary Applied Lessons (1-2 credits)		
MUS 577	Marching Band Drill Writing (2 credits)	
Introduction to Orff Schulwerk (1-2 credits)		
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		46

Wind Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPWJ

Code	Title	Hours
Coursework listed above, minus MUS 118		45
MUS 105	Jazz Applied	4
& MUS 106	Jazz Applied	
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles (two 1-hour Jazz Ensembles)	2
MUS 119	Minor Ensembles (two additional half-hour Jazz Minor Ensembles)	1
MUS 351	Studies in Jazz (Jazz Style and Analysis MUS 351-01)	2
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138	Jazz Improvisation	
& MUS 340	Jazz Improvisation II	
- or -		
MUS 340	Jazz Improvisation II	
& MUS 440	Jazz Improvisation III	
Minimum Total Hours		64

** Determined by audition

Percussion Emphasis

Academic Plan Code(s): MUEDBMEPP

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)n" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Percussion Emphasis		6
MUS 235	Woodwind Methods	
MUS 236	Advanced Woodwind Methods	
MUS 253	Brass Methods	
MUS 254	Advanced Brass Methods	
MUS 335	String Methods I	
MUS 342	Band Pedagogy and Educational Wind Band Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 337	Marching Band Methods	1
MUS 359	Conducting I	4
& MUS 360	Conducting II	
Practical Applications in Music Education (four half-hour courses)		2
MUED 201	Practical Applications in Music Education	
& MUED 202	Practical Applications in Music Education	
& MUED 301	Practical Applications in Music Education	
& MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2

MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0

Supportive Area

Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study	
MUS 346	Band/Choral Scoring	2
MUS 119	Minor Ensembles (four half-hour courses)	2
Functional or Secondary Applied Lesson on non-principal instrument		1
Three hours selected from the following:		3
MUS 227	Voice Class (1 credit)	
	Functional or Secondary Applied Lessons (1-2 credits)	
MUS 577	Marching Band Drill Writing (2 credits)	
	Introduction to Orff Schulwerk (1-2 credits)	
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education (1 credit)	
MUED 505	Introduction to Orff Schulwerk: Music & Movement Education (2 credit)	
Minimum Total Hours		46

Percussion Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPPJ

Code	Title	Hours
Coursework listed above, minus MUS 118		45
MUS 105 & MUS 106	Jazz Applied	4
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles (two 1-hour Jazz Ensembles)	2
MUS 119	Minor Ensembles (two additional half-hour Jazz Minor Ensembles)	1
MUS 351	Studies in Jazz (Jazz Style and Analysis MUS 351-01)	2
MUS 351	Studies in Jazz (Jazz Theory)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138 & MUS 340	Jazz Improvisation	
	Jazz Improvisation II	
- or -		
MUS 340 & MUS 440	Jazz Improvisation II	
	Jazz Improvisation III	
Minimum Total Hours		64

** Determined by audition

Keyboard Emphasis

Academic Plan Code(s): MUEDBMEPK

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Keyboard Emphasis		4
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 428	Choral Techniques	2
Practical Applications in Music Education (four half-hour courses)		2
MUED 201 & MUED 202 & MUED 301 & MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
MUS 359 & MUS 360	Conducting I	4
	Conducting II	
MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0
Supportive Area		
Applied Lesson (three 2-hour courses)		6
MUS 311 & MUS 312 & MUS 411	Principal Applied Study	
Applied Voice (three 1-hour courses)		3
MUS 234 & MUS 333 & MUS 334	Functional Study	
MUS 123 & MUS 124	Diction	2
MUS 571	Pedagogy (Voice Pedagogy MUS 571-05)	2
Two of the following (MUS 435 for Jazz Track students only):		4
MUS 345	Orchestral Scoring	
or MUS 346	Band/Choral Scoring	
or MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	

or MUS 435 Jazz Arranging I	
Minimum Total Hours	48

Keyboard Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPKJ

Code	Title	Hours
Coursework listed above, minus MUS 118		47
MUS 105	Jazz Applied	6
& MUS 106	Jazz Applied	
& MUS 205	Jazz Applied	
MUS 109	Major Ensembles (two 1-hour Jazz Ensembles)	2
MUS 119	Minor Ensembles (four additional half-hour courses: two Piano Ensemble, two Jazz Combo)	2
MUS 351	Studies in Jazz (Jazz Style and Analysis MUS 351-01)	2
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 371	Piano Pedagogy I	3
One of the following sequences: **		4
MUS 138	Jazz Improvisation	
& MUS 340	Jazz Improvisation II	
- or -		
MUS 340	Jazz Improvisation II	
& MUS 440	Jazz Improvisation III	
Minimum Total Hours		68

** Determined by audition

Strings Emphasis

Academic Plan Code(s): MUEDBMEPS

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Strings Emphasis		6
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 336	String Methods II	
MUS 339	String Pedagogy and Educational String Literature	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 227	Voice Class	1
MUS 359	Conducting I	4
& MUS 360	Conducting II	
Practical Applications in Music Education (four half-hour courses)		2
MUED 201	Practical Applications in Music Education	
& MUED 202	Practical Applications in Music Education	
& MUED 301	Practical Applications in Music Education	
& MUED 302	Practical Applications in Music Education	

MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation (not required for Jazz Track students, see Jazz Studies courselist below)	1
MUS 338	Jazz Methods	2
MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0
Supportive Area		
Applied Lesson (three 2-hour courses)		6
MUS 311	Principal Applied Study	
& MUS 312	Principal Applied Study	
& MUS 411	Principal Applied Study	
MUS 345	Orchestral Scoring	2
MUS 346	Band/Choral Scoring	2
or MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
MUS 119	Minor Ensembles (two half-hour courses)	1
Functional or Secondary Applied Lessons on non-principal instrument		3
MUED 102	Practical Applications in Music Education	0.5
MUED 401	Practical Applications in Music Education	0.5
Minimum Total Hours		47

Strings Emphasis with a Track in Jazz Studies

Academic Plan Code(s): MUEDBMEPSJ

Code	Title	Hours
Coursework listed above, minus MUS 118		46
MUS 105	Jazz Applied	4
& MUS 106	Jazz Applied	
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles (two 1-hour Jazz Ensembles)	2
MUS 119	Minor Ensembles (two additional half-hour courses)	1
MUS 351	Studies in Jazz (Jazz Style and Analysis)	2
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435	Jazz Arranging I	2
One of the following sequences: **		4
MUS 138	Jazz Improvisation	
& MUS 340	Jazz Improvisation II	
- or -		
MUS 340	Jazz Improvisation II	
& MUS 440	Jazz Improvisation III	
Minimum Total Hours		65

** Determined by audition

Voice Emphasis

Academic Plan Code(s): MUEDBMEPV

Some required courses require admission to Teacher Certification prior to enrollment. Please refer to "Admission to Teacher Certification (p.)" (above) for requirements and a list of courses.

Code	Title	Hours
Plan Courses: Major Area		
Instrumental Methods, Vocal Emphasis 4		
MUS 229	Introduction to Woodwinds	
MUS 252	Introduction to Brass	
MUS 137	Percussion Methods	
MUS 335	String Methods I	
MUS 228	Elementary School Music Methods	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 428	Choral Techniques	2
MUS 359	Conducting I	4
& MUS 360	Conducting II	
Practical Applications in Music Education (four half-hour courses) 2		
MUED 201	Practical Applications in Music Education	
& MUED 202	Practical Applications in Music Education	
& MUED 301	Practical Applications in Music Education	
& MUED 302	Practical Applications in Music Education	
MUS 116	Introduction to Music Education	1
MUS 118	Introduction to Jazz Improvisation	1
MUS 338	Jazz Methods	2
MUED 556	Special Methods in Secondary Teaching	2
ECPY 507	Learning Theory and Human Growth and Development	3
or EDTP 107	Human Development and Learning	
EDTP 420	Reading and Writing Across the Curriculum	3
EDTP 502	Exploring Teaching in the Sociopolitical Contexts of P-12 Schools	3
or EDTP 201	The Teaching Profession - SB	
MUS 495	Senior Research Paper/Project - CUE	0
Supportive Area		
Applied Lesson (three 2-hour courses) 6		
MUS 311	Principal Applied Study	
& MUS 312	Principal Applied Study	
& MUS 411	Principal Applied Study	
MUS 571	Pedagogy (Voice Pedagogy MUS 571-05)	2
MUS 331	Piano Class	2
& MUS 332	Piano Class	
MUS 123	Diction	2
& MUS 124	Diction	
MUS 346	Band/Choral Scoring	2
MUS 345	Orchestral Scoring	2
or MUED 505	Introduction to Orff Schulwerk: Music & Movement Education	
Elective		1
Minimum Total Hours		48

Code	Title	Hours
Culminating Undergraduate Experience - all tracks listed above		
Requirement fulfilled by completing:		
MUS 495	Senior Research Paper/Project - CUE	

Flight Plans

Brass Emphasis

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
Hours		15
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		
Hours		14

Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 137	Percussion Methods	1
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
Functional or Secondary Applied Lesson		1
MUED 302	Practical Applications in Music Education	0.5
Supplemental Course		1
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
Hours		16.5
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
Supplemental Course		1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
MUS 109	Major Ensembles	1
MUED 556	Special Methods in Secondary Teaching	2
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Minimum Total Hours		121

Percussion Emphasis

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5

ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5

Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
Hours		14

Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 254	Advanced Brass Methods	1

MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
Functional or Secondary Applied Lesson		1
MUED 302	Practical Applications in Music Education	0.5
Supplemental Course		1
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
Hours		16.5
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
Supplemental Course		1
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17
Spring		
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
MUED 556	Special Methods in Secondary Teaching	2
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Minimum Total Hours		124

Wind Emphasis

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4

MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 137	Percussion Methods	1
MUED 202	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
Hours		17
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 253	Brass Methods	1
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Supplemental Course		1
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 254	Advanced Brass Methods	1
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
MUED 302	Practical Applications in Music Education	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
Functional or Secondary Applied Lesson		1
Hours		15.5
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
Supplemental Course		2
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		15
Spring		
MUS 109	Major Ensembles	1

EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUED 556	Special Methods in Secondary Teaching	2
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Minimum Total Hours		124

Strings Emphasis

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 137	Percussion Methods	1
MUED 102	Practical Applications in Music Education	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		17
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 227	Voice Class	1
MUS 229	Introduction to Woodwinds	1
MUS 335	String Methods I	1
MUED 201	Practical Applications in Music Education	0.5
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 361	Music Literature I (1000-1750)	3
MUS 242	Theory IV	4
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
Functional or Secondary Applied Lesson		1

MUS 336	String Methods II	1
MUED 202	Practical Applications in Music Education	0.5
Hours		14.5
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 339	String Pedagogy and Educational String Literature	1
MUS 347	Analysis I	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 345	Orchestral Scoring	2
MUS 228	Elementary School Music Methods	2
MUED 301	Practical Applications in Music Education	0.5
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
or MUED 505	or Introduction to Orff Schulwerk: Music & Movement Education	
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
MUED 302	Practical Applications in Music Education	0.5
Functional or Secondary Applied Lesson		1
Functional or Secondary Applied Lesson		1
ECPY 507	Learning Theory and Human Growth and Development	3
Hours		17.5
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUED 556	Special Methods in Secondary Teaching	2
MUS 252	Introduction to Brass	1
MUED 401	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15.5
Spring		
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		13
Minimum Total Hours		125

Keyboard Emphasis

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4

MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17

Spring

MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 134	Functional Study (Voice)	1
MUS 124	Diction	1
MUS 116	Introduction to Music Education	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16

Year 2

Fall

MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 233	Functional Study (Voice)	1
MUS 118	Introduction to Jazz Improvisation	1
MUS 229	Introduction to Woodwinds	1
MUS 335	String Methods I	1
MUJED 201	Practical Applications in Music Education	0.5
General Education: Cardinal Core Oral Communication - OC		3
Hours		14.5

Spring

MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 234	Functional Study (Voice)	1
MUS 297	Piano Proficiency	0
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUJED 202	Practical Applications in Music Education	0.5
Hours		13.5

Year 3

Fall

MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 333	Functional Study (Voice)	1
MUS 347	Analysis I	2
MUS 345	Orchestral Scoring	2
or MUJED 505	or Introduction to Orff Schulwerk: Music & Movement Education	
MUS 252	Introduction to Brass	1
MUS 137	Percussion Methods	1
MUS 228	Elementary School Music Methods	2
MUJED 301	Practical Applications in Music Education	0.5
Hours		15.5

Spring

MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3

MUS 97	Recital Attendance	0
MUS 334	Functional Study (Voice)	1
MUS 346	Band/Choral Scoring	2
MUJED 302	Practical Applications in Music Education	0.5
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
MUS 360	Conducting II	2
MUS 428	Choral Techniques	2
Hours		17.5

Year 4

Fall

MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 571	Pedagogy (Voice Pedagogy)	2
MUJED 556	Special Methods in Secondary Teaching	2
EDTP 201	The Teaching Profession - SB	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16

Spring

MUS 109	Major Ensembles	1
ECPY 507	Learning Theory and Human Growth and Development	3
EDTP 420	Reading and Writing Across the Curriculum	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Minimum Total Hours		126

Vocal Emphasis

Course	Title	Hours
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Year 1

Fall

MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16

Spring

MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 124	Diction	1
MUS 116	Introduction to Music Education	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Year 2

Fall

MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1

MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 118	Introduction to Jazz Improvisation	1
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUS 335	String Methods I	1
MUED 201	Practical Applications in Music Education	0.5
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15.5

Spring

MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
EDTP 201	The Teaching Profession - SB	3
Hours		15.5

Year 3

Fall

MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 331	Piano Class	1
MUS 347	Analysis I	2
MUS 345	Orchestral Scoring	2
or MUED 505	or Introduction to Orff Schulwerk: Music & Movement Education	
MUS 252	Introduction to Brass	1
MUS 228	Elementary School Music Methods	2
MUED 301	Practical Applications in Music Education	0.5
Hours		14.5

Spring

MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 332	Piano Class	1
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUS 338	Jazz Methods	2
MUS 360	Conducting II	2
MUS 428	Choral Techniques	2
MUED 302	Practical Applications in Music Education	0.5
Hours		17.5

Year 4

Fall

MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 571	Pedagogy (Voice Pedagogy)	2
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Elective		1
Hours		15

Spring

MUS 109	Major Ensembles	1
ECPY 507	Learning Theory and Human Growth and Development	3
EDTP 420	Reading and Writing Across the Curriculum	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Minimum Total Hours		126

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plans, Emphases with Tracks in Jazz Studies, Even-Year Starts

Flight Plans for pre-certification Music Education emphases without tracks in Jazz Studies are on the preceding Flight Plans tab.

The four-year plans of study listed below are applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.). Students starting in odd-numbered years should refer to the Jazz Flight Plans, Odd tab.

Brass Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5

Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
Functional or Secondary Applied Lesson		1
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		15.5

Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16

Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Natural Sciences - S		3
Hours		16

Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 440	Jazz Improvisation III (Course needed unless student placed in MUS 138)	2
MUS 435	Jazz Arranging I	2
MUED 301	Practical Applications in Music Education	0.5
Hours		15.5

Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2

MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 351	Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
Hours		16

Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
Supplemental Course		1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		15.5

Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 236	Advanced Woodwind Methods	1
MUS 338	Jazz Methods	2
MUS 349	Jazz Analysis	2
Supplemental Course		1
General Education: Cardinal Core Arts & Humanities - AH		3
EDTP 201	The Teaching Profession - SB	3
Hours		16

Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
Supplemental Course		1
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		142

Keyboard Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Spring		
MUS 112	Principal Applied Study	2

MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 134	Functional Study (Voice)	1
MUS 116	Introduction to Music Education	1
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
MUS 124	Diction	1
ENGL 102	Intermediate College Writing - WC	3
Hours		15
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 137	Percussion Methods	1
MUED 201	Practical Applications in Music Education	0.5
MUS 229	Introduction to Woodwinds	1
MUS 233	Functional Study (Voice)	1
MUS 197	Piano Proficiency	0
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 349	Jazz Analysis	2
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 234	Functional Study (Voice)	1
Hours		15.5
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II	2
MUS 228	Elementary School Music Methods	2
MUS 371	Piano Pedagogy I	3
MUS 440	Jazz Improvisation III (Course needed if student did not take MUS 138)	
MUED 301	Practical Applications in Music Education	0.5
MUS 333	Functional Study (Voice)	1
MUS 119	Minor Ensembles	0.5
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
Hours		17
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUS 428	Choral Techniques	2
MUS 119	Minor Ensembles	0.5

MUS 334	Functional Study (Voice)	1
MUS 351	Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
ANTH 205	Music in World Cultures - D2, SB	3
Hours		17
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 335	String Methods I	1
Supplemental Course		2
MUS 571	Pedagogy (Voice Pedagogy)	2
MUS 119	Minor Ensembles	0.5
MUS 252	Introduction to Brass	1
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
Supplemental Course		2
MUS 338	Jazz Methods	2
MUS 119	Minor Ensembles	0.5
EDTP 201	The Teaching Profession - SB	3
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16.5
Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE	0
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		146

Percussion Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4

MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
	Functional or Secondary Applied Lesson	1
ENGL 102	Intermediate College Writing - WC	3
	Hours	15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 119	Minor Ensembles	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
	General Education: Cardinal Core Quantitative Reasoning - QR	3
	General Education: Cardinal Core Natural Sciences - S	3
	Hours	18
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1
MUED 202	Practical Applications in Music Education	0.5
	Hours	14
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435	Jazz Arranging I	2
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138.)	
	Hours	15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5

MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
	Hours	16
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
	Supplemental Course	1
MUS 335	String Methods I	1
ANTH 205	Music in World Cultures - D2, SB	3
	General Education: Cardinal Core Natural Sciences - S	3
	General Education: Cardinal Core Natural Sciences Lab - SL	1
	Hours	15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 338	Jazz Methods	2
MUS 254	Advanced Brass Methods	1
MUS 349	Jazz Analysis	2
	Supplemental Course	1
EDTP 201	The Teaching Profession - SB	3
	General Education: Cardinal Core Arts & Humanities - AH	3
	Hours	16
Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
	Supplemental Course	1
PAS 214	African-American Music - AH, D1	3
	General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
	Hours	16
	Minimum Total Hours	142

Strings Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
	General Education: Cardinal Core Oral Communication - OC	3
	Hours	15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0

MUS 132	Piano Class	1
MUED 102	Practical Applications in Music Education	0.5
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		15

Year 2

Fall

MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUS 119	Minor Ensembles	0.5
MUS 335	String Methods I	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17

Spring

MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
MUS 336	String Methods II	1
EDTP 201	The Teaching Profession - SB	3
Hours		17

Year 3

Fall

MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 339	String Pedagogy and Educational String Literature	1
MUED 301	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (Jazz Theory MUS 351-02)	2
MUS 435	Jazz Arranging I	2
Hours		15.5

Spring

MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (Jazz Style & Analysis-MUS 351-01)	2
Functional or Secondary Applied Lesson		1
ANTH 205	Music in World Cultures - D2, SB	3
Hours		14.5

Year 4

Fall

MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 227	Voice Class	1
MUS 252	Introduction to Brass	1
MUS 345	Orchestral Scoring	2
Functional or Secondary Applied Lesson		1
MUED 401	Practical Applications in Music Education	0.5
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138)	
MUED 556	Special Methods in Secondary Teaching	2
General Education: Cardinal Core Natural Sciences - S		3
Hours		16.5

Spring

MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 346 or MUED 505	Band/Choral Scoring or Introduction to Orff Schulwerk: Music & Movement Education	2
Functional or Secondary Applied Lesson		1
MUS 338	Jazz Methods	2
MUS 349	Jazz Analysis	2
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16

Year 5

Fall

MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECYP 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Minimum Total Hours		143

Wind Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0

MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 2) or Jazz Improvisation II	2
	Functional or Secondary Applied Lesson	1
ENGL 102	Intermediate College Writing - WC	3
	Hours	15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
	General Education: Cardinal Core Quantitative Reasoning - QR	3
	Hours	16
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
	General Education: Cardinal Core Natural Sciences - S	3
	Hours	16
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (Jazz Theory- MUS 351-02)	2
MUS 435	Jazz Arranging I	2
MUS 440	Jazz Improvisation III (MUS 440 not needed if student placed into MUS 138)	
	Hours	15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 342	Band Pedagogy and Educational Wind Band Literature	1

MUS 351	Studies in Jazz (Jazz Style & Analysis MUS 351-01)	2
	Hours	16
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
	Supplemental Course	1
ANTH 205	Music in World Cultures - D2, SB	3
	General Education: Cardinal Core Natural Sciences - S	3
	General Education: Cardinal Core Natural Sciences Lab - SL	1
	Hours	15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 254	Advanced Brass Methods	1
	Supplemental Course	1
MUS 349	Jazz Analysis	2
MUS 338	Jazz Methods	2
EDTP 201	The Teaching Profession - SB	3
	General Education: Cardinal Core Arts & Humanities - AH	3
	Hours	16
Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
	Supplemental Course	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
PAS 214	African-American Music - AH, D1	3
	General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
	Hours	16
	Minimum Total Hours	142

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plans, Emphases with Tracks in Jazz Studies, Odd-Year Starts

Flight Plans for pre-certification Music Education emphases without tracks in Jazz Studies are on the preceding, Flight Plans tab.

The four-year plans of study listed below are applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.). Students starting in even-numbered years should refer to the Jazz Flight Plans, Even tab.

Brass Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
Functional or Secondary Applied Lesson		1
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 3) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3

MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (If student took MUS 138)	2
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
Hours		14.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 349	Jazz Analysis	2
Hours		16
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
MUS 440	Jazz Improvisation III (Course needed unless student placed in MUS 138)	
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
Supplemental Course		1
EDTP 201	The Teaching Profession - SB	3
Hours		15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 236	Advanced Woodwind Methods	1
MUS 338	Jazz Methods	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
Supplemental Course		1
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences -S		3
General Education: Cardinal Core Natural Sciences Lab-SL		1
Hours		17

Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
Supplemental Course		1
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		142

Keyboard Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 133	Functional Study (Voice)	1
MUS 123	Diction	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 134	Functional Study (Voice)	1
MUS 116	Introduction to Music Education	1
MUS 138	Jazz Improvisation (students taking MUS 138 take or MUS 340 MUS 340 in Fall, Year 3) or Jazz Improvisation II	2
MUS 124	Diction	1
ENGL 102	Intermediate College Writing - WC	3
Hours		15
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 137	Percussion Methods	1
MUED 201	Practical Applications in Music Education	0.5
MUS 229	Introduction to Woodwinds	1
MUS 233	Functional Study (Voice)	1
MUS 197	Piano Proficiency	0
MUS 198	Jazz Piano Proficiency	0
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3

MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUED 202	Practical Applications in Music Education	0.5
MUS 234	Functional Study (Voice)	1
ANTH 205	Music in World Cultures - D2, SB	3
Hours		16.5
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II	2
MUS 228	Elementary School Music Methods	2
MUS 371	Piano Pedagogy I	3
MUED 301	Practical Applications in Music Education	0.5
MUS 333	Functional Study (Voice)	1
MUS 119	Minor Ensembles	0.5
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
Hours		17
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUS 428	Choral Techniques	2
MUS 119	Minor Ensembles	0.5
MUS 334	Functional Study (Voice)	1
MUS 349	Jazz Analysis	2
General Education: Cardinal Core Arts & Humanities-AH		3
Hours		17
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 335	String Methods I	1
Supplemental Course		2
MUS 571	Pedagogy (Voice Pedagogy)	2
MUS 119	Minor Ensembles	0.5
MUS 252	Introduction to Brass	1
MUED 556	Special Methods in Secondary Teaching	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 440	Jazz Improvisation III (Course needed if student did not take MUS 138)	
Hours		15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
Supplemental Course		2
MUS 338	Jazz Methods	2
MUS 119	Minor Ensembles	0.5
PAS 214	African-American Music - AH, D1	3
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
General Education: Cardinal Core Natural Sciences -S		3
General Education: Cardinal Core Natural Sciences Lab-SL		1
Hours		16.5
Year 5		
Fall		
MUS 205	Jazz Applied	2

MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3
ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE	0
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		146

Percussion Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take	2
or MUS 340	MUS 340 in Fall, Year 3)	
	or Jazz Improvisation II	
Functional or Secondary Applied Lesson		1
ENGL 102	Intermediate College Writing - WC	3
Hours		15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUS 236	Advanced Woodwind Methods	1

MUED 202	Practical Applications in Music Education	0.5
General Education: Cardinal Core Natural Sciences -S		3
General Education: Cardinal Core Natural Sciences Lab-SL		1
Hours		18

Year 3

Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUED 301	Practical Applications in Music Education	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
Hours		14.5

Spring

MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 119	Minor Ensembles	0.5
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 349	Jazz Analysis	2
Hours		16

Year 4

Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
Supplemental Course		1
MUS 335	String Methods I	1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUS 440	Jazz Improvisation III (Course needed unless student placed into MUS 138)	
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15.5

Spring

MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 254	Advanced Brass Methods	1
MUS 338	Jazz Methods	2
Supplemental Course		1
MUS 351	Studies in Jazz (MUS 351 01 Jazz Style & Analysis)	2
EDTP 201	The Teaching Profession - SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16

Year 5

Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3

ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
Supplemental Course		1
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		142

Strings Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
MUS 252	Introduction to Brass	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138 or MUS 340	Jazz Improvisation (students taking MUS 138 take MUS 340 in Fall, Year 3) or Jazz Improvisation II	2
ENGL 102	Intermediate College Writing - WC	3
Hours		14.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 102	Practical Applications in Music Education	0.5
MUS 137	Percussion Methods	1
MUS 229	Introduction to Woodwinds	1
MUS 119	Minor Ensembles	0.5
MUS 335	String Methods I	1
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5

MUS 336	String Methods II	1
EDTP 201	The Teaching Profession - SB	3
Hours		17
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUED 202	Practical Applications in Music Education	0.5
MUS 345	Orchestral Scoring	2
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
Hours		15.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 301	Practical Applications in Music Education	0.5
MUS 339	String Pedagogy and Educational String Literature	1
MUS 349	Jazz Analysis	2
Functional or Secondary Applied Lesson		1
MUS 346	Band/Choral Scoring	2
or MUED 505 Introduction to Orff Schulwerk: Music & Movement Education		
General Education: Cardinal Core Natural Sciences-S		3
Hours		17.5
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 227	Voice Class	1
MUED 302	Practical Applications in Music Education	0.5
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
Functional or Secondary Applied Lesson		1
MUS 440 Jazz Improvisation III (Course needed unless student placed into MUS 138)		
MUED 556	Special Methods in Secondary Teaching	2
Hours		14.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
Functional or Secondary Applied Lesson		1
MUS 338	Jazz Methods	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUED 401	Practical Applications in Music Education	0.5
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14.5
Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
EDTP 420	Reading and Writing Across the Curriculum	3

ECPY 507	Learning Theory and Human Growth and Development	3
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Minimum Total Hours		143

Wind Emphasis with Track in Jazz Studies

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 197	Piano Proficiency	0
MUS 116	Introduction to Music Education	1
MUS 119	Minor Ensembles	0.5
MUS 138	Jazz Improvisation (students taking MUS 138 take	2
or MUS 340	MUS 340 in Fall, Year 3)	
	or Jazz Improvisation II	
Functional or Secondary Applied Lesson		1
ENGL 102	Intermediate College Writing - WC	3
Hours		15.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles (Marching Band)	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUED 201	Practical Applications in Music Education	0.5
MUS 235	Woodwind Methods	1
MUS 335	String Methods I	1
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences -S		3
General Education: Cardinal Core Natural Sciences Lab-SL		1
Hours		17
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
MUS 119	Minor Ensembles	0.5
MUED 202	Practical Applications in Music Education	0.5

General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 360	Conducting II (MUS 360-02)	2
MUS 228	Elementary School Music Methods	2
MUS 337	Marching Band Methods	1
MUS 340	Jazz Improvisation II (if student took MUS 138)	2
MUED 301	Practical Applications in Music Education	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 435	Jazz Arranging I	2
Hours		16.5
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 346	Band/Choral Scoring	2
MUS 328	Frameworks for Teaching Music in a Diverse Society	2
MUED 302	Practical Applications in Music Education	0.5
MUED 556	Special Methods in Secondary Teaching	2
MUS 342	Band Pedagogy and Educational Wind Band Literature	1
MUS 349	Jazz Analysis	2
Hours		16
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 253	Brass Methods	1
MUS 137	Percussion Methods	1
Supplemental Course		1
ANTH 205	Music in World Cultures - D2, SB	3
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 440	Jazz Improvisation III (MUS 440 not needed if student placed into MUS 138)	
Hours		13.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 109	Major Ensembles	1
MUS 254	Advanced Brass Methods	1
Supplemental Course		1
MUS 338	Jazz Methods	2
EDTP 201	The Teaching Profession - SB	3
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Year 5		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 495	Senior Research Paper/Project - CUE (CUE)	0
Supplemental Course		1
EDTP 420	Reading and Writing Across the Curriculum	3

ECPY 507	Learning Theory and Human Growth and Development	3
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Minimum Total Hours		142

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music General (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts with Emphasis in Music General

Unit: Music (<http://louisville.edu/music>)

Academic Plan Code(s): MUSIBA_MUG

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		38-40

Program/Major Requirements	49-51
Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (minimum of eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 125	Arts Instrument ^{5,6}	1
MUS 126	Arts Instrument ^{5,6}	1
MUS 225	Arts Instrument ^{5,6}	1
MUS 226	Arts Instrument ^{5,6}	1
MUS 131	Piano Class ^{6,7}	1
MUS 132	Piano Class ^{6,7}	1
MUS 347 or MUS 242	Analysis I (Course based on BA emphasis) ¹⁰ Theory IV	2-4
MUS 100	Introduction to Music Study	1
MUS 197	Piano Proficiency	0
Minimum Total Hours		38-40

Program/Major Requirements

Code	Title	Hours
Major Courses		
Music Electives ⁸		12-14
Music or General Electives ^{8,9}		3
MUS 496	BA Capstone Project (CUE)	0
General Electives ⁹		34
Minimum Total Hours		49-51

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 Analysis I for BA General, MUS 349 Jazz Analysis for BA Jazz Studies, MUS 350 Analysis of Electronic Media for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		

Requirement fulfilled by completing:

MUS 496	BA Capstone Project
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- Students are required to take PAS 214 and ANTH 205 Music in World Cultures - D2, SB.
- MUH courses may not be taken to fulfill any General Education requirement.
- Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass Theory I, and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- Strings take section 01, others solely dependent on the ensemble audition
- The Piano Proficiency Examination is required for applied piano and organ majors.
- If the applied area is piano or organ, Piano Class is replaced with 2 hours of music electives. The Piano Proficiency Examination may be taken in lieu of two semesters of Piano Class.

⁷ Students must pass the complete Piano Proficiency Examination before receiving credit for the final semester of the piano requirement. Students must be enrolled continuously in Piano Class until their piano requirement has been completed. Those who pass the Piano Proficiency Exam before the end of the second semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits.

⁸ 12 hours of music electives if MUS 242 Theory IV is chosen; 14 hours of music electives if MUS 347 Analysis I is chosen. Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate.

For the Bachelor of Arts degree, in addition to the electives listed for the Bachelor of Music, applied music courses beyond the required four semesters are acceptable as music electives. MUH courses will not be accepted as music electives.

⁹ Non-music electives which include 18 hours in one area of concentration. At least 9 hours in the area of concentration, and a total of 12 of the 34 hours, must be at the 300-level or above. The student may choose to pursue a second major or take a minor in a non-music area. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

¹⁰ MUS 347 Analysis I for BA General, MUS 349 Jazz Analysis for BA Jazz Studies, MUS 350 Analysis of Electronic Media for BA Music & New Media.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 125	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class (or Music Elective)	1
Music Elective		1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		16
Spring		
MUS 126	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class (or Music Elective)	1
MUS 197	Piano Proficiency	0
Music Elective		2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15
Year 2		
Fall		
MUS 225	Arts Instrument	1
MUS 109	Major Ensembles	1

MUS 241	Theory III	4
MUS 97	Recital Attendance	0
Music Elective		2
Non-Music Elective in chosen concentration		3
Non-Music Elective in any other discipline		3
Hours		14
Spring		
MUS 226	Arts Instrument	1
MUS 109	Major Ensembles	1
One of the following:		2-4
MUS 242	Theory IV	
Music Elective, 2 hours (if taking MUS 347 in Spring, Year 3)		
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
Non-Music Elective in chosen concentration		3
Non-Music Elective in any other discipline		3
Hours		13-15
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I (not required if student completed MUS 242 in Spring, Year 2)	0-2
Music Elective		1
Non-Music Elective in chosen concentration		3
Non-Music Elective in any other discipline		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16-14
Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in any other discipline		3
Music Elective		2
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Year 4		
Fall		
MUS 109	Major Ensembles	1
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in any other discipline (300 level or above)		3
Music Electives		2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Spring		
MUS 109	Major Ensembles	1
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in any other discipline (300 level or above)		1
Music Electives		2
General or Music Electives		3
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
MUS 496	BA Capstone Project (CUE)	0
Hours		16
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

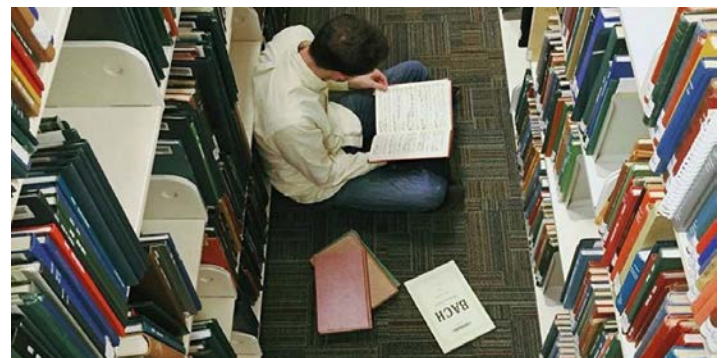
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music History (BM)



Music with Emphasis in Music History (BM)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Music History

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBM_MH

Program Information

The School of Music offers the Bachelor of Music and the Master of Music degrees in Music History.

The music history faculty at the University of Louisville represent a wide range of teaching and research disciplines. Part-time faculty bring expertise in cognate areas such as popular music, country music, history of rock and roll, world music, dance music, and music of the theater.

Undergraduate music history majors complete a senior research project under faculty supervision, concluding with a formal presentation and discussion with the panel of music history faculty. Graduate students

in music history undertake a series of seminars and complete a thesis under faculty supervision, as well as satisfy a foreign language requirement and a final oral examination.

Past graduates in music history from the University of Louisville have made careers as musicologists, music librarians, arts administrators, and music critics.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class ⁵	1
MUS 132	Piano Class ⁵	1

MUS 231	Piano Class III ^{5,6}	1
MUS 347	Analysis I	2
MUS 111	Principal Applied Study ⁷	2
MUS 112	Principal Applied Study ⁷	2
MUS 211	Principal Applied Study	2
MUS 212	Principal Applied Study	2
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		47

Program/Major Requirements

Code	Title	Hours
Music History Requirements		
MUS 370	Seminar in Music History (three 3-hour courses)	9
MUS 499	Senior Research Paper/Project - CUE (CUE) ⁸	4
Supporting Courses		
MUS 348	Analysis II	2
<i>Advanced Theory</i>		
Select one of the following sequences:		4
Sequence One:		
MUS 145	Secondary Composition	
MUS 146	Secondary Composition	
Sequence Two:		
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
Sequence Three:		
MUS 547	Chromatic Harmony and Analysis	
MUS 548	Post-Tonal Theory and Analysis	
MUS 549	Renaissance Counterpoint	2
MUS 550	Baroque Counterpoint	2
MUS 359	Conducting I	2
MUS 311	Principal Applied Study	2
MUS 312	Principal Applied Study	2
MUS 411	Principal Applied Study	2
MUS 412	Principal Applied Study	2
GERM 121	Basic German I	4
General or Music Electives ⁹		5
Minimum Total Hours		42

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies, MUS 350 for BA Music & New Media); MUS 361 Music Literature I; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies)s, music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:

Code	Title	Hours
MUS 499	Senior Research Paper/Project - CUE	
1	Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB .	
2	MUH courses may not be taken to fulfill any General Education requirement.	
3	Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142 , must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.	
4	Strings take section 01, others solely dependent on the ensemble audition.	
5	If the applied principal is piano, Piano Class is replaced with 3 hours of music electives. For students with a piano background, three semesters of Secondary Piano (MUS 121-MUS 221) may be substituted for Piano Class.	
6	Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the proficiency exam requirement is complete. Students must be enrolled continuously in Piano Class until their requirement has been completed. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits. Entering students who have a background in piano may register for MUS 297 Piano Proficiency for one semester with approval of the Keyboard Area.	
7	If the applied principal is voice, 2 hours of Diction (MUS 123-MUS 124) are required in addition to the 16 hours of voice.	
8	Students may enroll for either 2 semesters at 2 credits per semester or 1 semester at 4 credits.	
9	Electives to be determined in consultation with the program advisor. Students are strongly encouraged to include 1 credit hour of minor ensemble where appropriate. Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.	

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class (or Music Elective)	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class (or Music Elective)	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		15
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Oral Communication - OC		3
General or Music Elective		1
Hours		15
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 359	Conducting I	2
General or Music Electives		2
Hours		14
Year 3		
Fall		
MUS 311	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 347	Analysis I	2
MUS 549	Renaissance Counterpoint	2
MUS 370	Seminar in Music History	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Spring		
MUS 312	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 348	Analysis II	2

MUS 550	Baroque Counterpoint	2
GERM 121	Basic German I	4
General or Music Elective(s)		2
Hours		16
Year 4		
Fall		
MUS 411	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 370	Seminar in Music History	3
Advanced Theory course from specific list		2
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14
Spring		
MUS 412	Principal Applied Study	2
MUS 109	Major Ensembles	1
Advanced Theory course from specific list		2
MUS 370	Seminar in Music History	3
MUS 499	Senior Research Paper/Project - CUE (CUE)	4
PAS 214	African-American Music - AH, D1	3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
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Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Instrumental Performance (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Instrumental Performance

Unit: Music (<http://www.louisville.edu/music>)
Academic Plan Code(s): MUSIBM_INS

Program Information

The Bachelor of Music in Instrumental Performance degree is appropriate for students who wish to prepare for a career in music performance and related fields. Among the particular career emphases for which the BM in Instrumental Performance is an appropriate preparation are professional performer, university teacher, private music studio teacher, or pre-professional preparation for music teacher certification study. Since it is unlikely that graduates of the program will have developed all the requisite skills to enter the professional ranks of performers or university teachers, most graduates will continue to develop their skills through further study. Students who have completed the BM in Instrumental Performance at UofL typically do very well in gaining admission to strong graduate programs nationwide.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Major Requirements		42
Minimum Total Hours		120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31
The following courses are required by this program and should be used to fulfill the respective General Education Requirement:		
PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class ^{5,6}	1
MUS 132	Piano Class ^{5,6}	1
MUS 231	Piano Class III ^{5,6}	1
MUS 347	Analysis I	2
MUS 103	Major Applied Study	4
MUS 104	Major Applied Study	4
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		47

Program/Major Requirements

Code	Title	Hours
Instrumental Performance Requirements		
MUS 203	Major Applied Study ⁷	4
MUS 204	Major Applied Study ⁷	4
MUS 303	Major Applied Study ⁷	4
MUS 304	Major Applied Study ⁷	4
MUS 403	Major Applied Study ⁷	4
MUS 404	Major Applied Study ⁷	4
MUS 119	Minor Ensembles (eight 1/2-hour courses) ⁸	4
MUS 538	Studies in Pedagogy (Instrument Specific)	1
MUS 563	Literature (Instrument Specific)	1
MUS 397	Junior Recital ⁹	0
MUS 497	Senior Recital - CUE (CUE) ⁹	0

Supporting Courses

<i>Advanced Theory</i>		
Select one of the following:		2
MUS 348	Analysis II	
MUS 145	Secondary Composition	
MUS 146	Secondary Composition	
MUS 345	Orchestral Scoring	
MUS 346	Band/Choral Scoring	
MUS 547	Chromatic Harmony and Analysis	
MUS 548	Post-Tonal Theory and Analysis	
MUS 549	Renaissance Counterpoint	
MUS 550	Baroque Counterpoint	
MUS 359	Conducting I	2
Music Electives ¹⁰		3
General Electives ¹⁰		3
General or Music Electives ¹⁰		2
Minimum Total Hours		42

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

¹ Students are required to take PAS 214 and ANTH 205.

² MUH courses may not be taken to fulfill any General Education requirement.

³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.

- ⁴ Strings take section 01, others solely dependent on the ensemble audition.
- ⁵ For students with a piano background, three semesters of Secondary Piano (MUS 121-MUS 221) may be substituted.
- ⁶ Students must be enrolled continuously in Piano Class until their piano requirement has been completed. Those students who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits. Entering students who have a background in piano may register for MUS 297 Piano Proficiency for one semester with approval of the Keyboard Area.
- ⁷ **Woodwind option:** Students with a major in flute, oboe, clarinet, bassoon, or saxophone may devote as many as 14 of the 32 hours required in the major instrument to the study of other woodwind instruments. After completing one semester of study in the major instrument with a grade of A or B, the student may elect the above option with the approval of the woodwind faculty. Continued enrollment in the option will be dependent upon satisfactory progress in the major instrument studied. An outline of the applied music study must be approved by the teacher of the major instrument. One-half of the senior recital may consist of solo or ensemble performance of one or more secondary instruments.
- ⁸ Students must be enrolled in Minor Ensemble for a minimum of six semesters. The applied teacher must approve the choice of Minor Ensembles that will count towards the degree.
- ⁹ Junior and senior recitals for all performance degrees are public recitals.
- ¹⁰ Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 103	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
Hours		14.5
Spring		
MUS 104	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 119	Minor Ensembles	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5

Year 2		
Fall		
MUS 203	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Historical Perspective - SBH		3
Hours		16.5
Spring		
MUS 204	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 359	Conducting I	2
MUS 97	Recital Attendance	0
MUS 119	Minor Ensembles	0.5
Hours		14.5
Year 3		
Fall		
MUS 303	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 347	Analysis I	2
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance	0
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14.5
Spring		
MUS 304	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance	0
MUS 119	Minor Ensembles	0.5
PAS 214	African-American Music - AH, D1	3
MUS 397	Junior Recital	0
Music Elective		1
General Education: Cardinal Core Natural Sciences - S		3
Hours		15.5
Year 4		
Fall		
MUS 403	Major Applied Study	4
MUS 109	Major Ensembles	1
Advanced Theory course from specific list		2
MUS 538	Studies in Pedagogy	1
MUS 563	Literature	1
MUS 119	Minor Ensembles	0.5
General Electives		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15.5
Spring		
MUS 404	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
MUS 497	Senior Recital - CUE	0
Music Elective		1
ANTH 205	Music in World Cultures - D2, SB	3

General or Music Electives	2
Music Elective	1
Hours	12.5
Minimum Total Hours	120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music, Jazz Performance (BM)



Music with Emphasis in Jazz Performance (BM)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Jazz Performance

Unit: Music (<http://www.louisville.edu/music>)
Academic Plan Code(s): MUSIBM_JAZ

Program Information

The Bachelor of Music in Jazz Performance degree is appropriate for students who wish to prepare for a career in music performance and related fields. The Bachelor of Music degree with an Emphasis in Jazz Performance is intended to prepare students with the skills needed to

perform, compose and arrange within the jazz idiom. Among the goals of the degree are to prepare students to be skilled in the art of jazz improvisation, be well versed in a variety of performance techniques, be able to compose and arrange within the jazz idiom, and to have an understanding and appreciation of the jazz tradition through the study of and performance with jazz masters. Among the particular career emphases for which the BM in Jazz Performance is an appropriate preparation are professional performer, music arranger or composer, or teacher. Since it is unlikely that graduates of the program will have developed all the requisite skills to enter the professional ranks of performers or university teachers, most graduates will continue to develop their skills through additional study.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		46
Program/Major Requirements		44
Minimum Total Hours		121

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3

MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class ⁵	1
MUS 132	Piano Class ⁵	1
MUS 349	Jazz Analysis	2
MUS 105	Jazz Applied	2
MUS 106	Jazz Applied	2
MUS 205	Jazz Applied	2
MUS 206	Jazz Applied	2
MUS 100	Introduction to Music Study	1
MUS 197	Piano Proficiency	0
Minimum Total Hours		46

Program/Major Requirements

Code	Title	Hours
Jazz Performance Requirements		
MUS 305	Jazz Applied	2
MUS 306	Jazz Applied	2
MUS 405	Jazz Applied	2
MUS 406	Jazz Applied	2
MUS 119	Minor Ensembles (eight 1/2-hour courses)	4
MUS 138	Jazz Improvisation	2
MUS 340	Jazz Improvisation II	2
MUS 440	Jazz Improvisation III	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUS 352	Jazz Repertoire	2
MUS 571	Pedagogy (MUS 571-07 Jazz Pedagogy)	2
MUS 497	Senior Recital - CUE (CUE) ⁶	0
Supporting Courses		
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUS 436	Jazz Arranging II	2
Advanced Theory		
One 4-hour course sequence chosen from:		4
MUS 145 & MUS 146	Secondary Composition	
MUS 345 & MUS 346	Orchestral Scoring / Band/Choral Scoring	
MUS 549 & MUS 550	Renaissance Counterpoint / Baroque Counterpoint	
MUS 130	Jazz Piano Class ⁷	1
MUS 198	Jazz Piano Proficiency	0
MUS 355	The Evolution of Jazz	3
MUS 535	Music Industry I	2
MUS 575 or MUS 576	Music Production / Multimedia Production	2
Electives ⁸		2
Minimum Total Hours		44

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to

achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

- Students are required to take PAS 214 and ANTH 205.
- MUH courses may not be taken to fulfill any General Education requirement.
- Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- Jazz majors take Jazz Ensemble, Jazz Repertory Ensemble, Jazz Lab, or Vocal Jazz Ensemble.
- If the applied area is piano, Piano Class is replaced with two hours of music electives. The Piano Proficiency Examination may be taken in lieu of two semesters of Piano Class. Students must pass the complete Piano Proficiency Examination before receiving credit for the final semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed.
- Senior recital for all performance degrees is a public recital.
- Students may substitute 1 hour of elective providing they pass the Jazz Piano Proficiency.
- Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan, Even-Year Starts

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 119	Minor Ensembles	0.5
MUS 197	Piano Proficiency	0
MUS 138	Jazz Improvisation	2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 119	Minor Ensembles	0.5
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II	2
General Education: Cardinal Core Arts & Humanities - AH		3
Elective		1
Hours		14.5
Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 349	Jazz Analysis	2
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Oral Communication - OC		3
Hours		15.5
Year 3		
Fall		
MUS 305	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 119	Minor Ensembles	0.5
MUS 440	Jazz Improvisation III	2

MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 435	Jazz Arranging I	2
MUS 355	The Evolution of Jazz	3
Hours		15.5
Spring		
MUS 306	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 363	Music Literature III (1860-present)	3
MUS 119	Minor Ensembles	0.5
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUS 436	Jazz Arranging II	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Elective		1
Hours		15.5
Year 4		
Fall		
MUS 405	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
Advanced Theory Course from specified list		2
MUS 352	Jazz Repertoire	2
MUS 535	Music Industry I	2
MUS 571	Pedagogy (MUS 571-07 Jazz Pedagogy)	2
General Education: Cardinal Core Historical Perspective - SBH		3
Hours		14.5
Spring		
MUS 406	Jazz Applied	2
MUS 109	Major Ensembles	1
Advanced Theory Course from specified list		2
MUS 119	Minor Ensembles	0.5
MUS 497	Senior Recital - CUE	0
MUS 575	Music Production	2
or MUS 576	or Multimedia Production	
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		13.5
Minimum Total Hours		121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plan, Odd-Year Starts

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
MUS 119	Minor Ensembles	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15.5
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 119	Minor Ensembles	0.5
MUS 197	Piano Proficiency	0
MUS 138	Jazz Improvisation	2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 119	Minor Ensembles	0.5
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences-S		3
General Education: Cardinal Core Natural Sciences Lab-SL		1
Elective		1
Hours		15.5
Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 119	Minor Ensembles	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16.5
Year 3		
Fall		
MUS 305	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance (MUS 97-06)	0

MUS 119	Minor Ensembles	0.5
MUS 340	Jazz Improvisation II	2
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 352	Jazz Repertoire	2
MUS 571	Pedagogy (MUS 571-07 Jazz Pedagogy)	2
MUS 535	Music Industry I	2
Hours		15.5

Spring		
MUS 306	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 363	Music Literature III (1860-present)	3
MUS 119	Minor Ensembles	0.5
MUS 349	Jazz Analysis	2
MUS 576	Multimedia Production (or students may take MUS 575 in Year 4, Fall)	2 or 0
PAS 214	African-American Music - AH, D1	3
Elective		1
Hours		14.5-12.5

Year 4		
Fall		
MUS 405	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles	0.5
Advanced Theory Course from specified list		2
MUS 440	Jazz Improvisation III	2
MUS 435	Jazz Arranging I	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 355	The Evolution of Jazz	3
MUS 575	Music Production (or students may take MUS 576 in Year 3, Spring)	0 or 2
Hours		14.5-16.5

Spring		
MUS 406	Jazz Applied	2
MUS 109	Major Ensembles	1
Advanced Theory Course from specified list		2
MUS 119	Minor Ensembles	0.5
MUS 497	Senior Recital - CUE	0
MUS 436	Jazz Arranging II	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
General Education: Cardinal Core Historical Perspective-SBH		3
Hours		12.5
Minimum Total Hours		121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

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Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

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Music, Jazz Studies (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts with Emphasis in Jazz Studies

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBA_JAZ

Program Information

The Bachelor of Arts in Music with Emphasis in Jazz Studies degree is aimed at introducing students to elements of jazz within the context of a liberal arts program. The outcome of the degree is to prepare students to develop skills in performing and improvising music in a variety of jazz styles on primary and secondary instruments, and to have an understanding of a variety of performance techniques in jazz, and an appreciation of the jazz tradition through the study of and performance with jazz masters.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	38-40
	Program/Major Requirements	49-51
	Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31
The following courses are required by this program and should be used to fulfill the respective General Education Requirement:		
PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 349	Jazz Analysis ⁴	2-4
or MUS 242	Theory IV	
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (minimum of eight 1-hour courses) ⁵	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 105	Jazz Applied ^{6,7}	2
MUS 106	Jazz Applied ^{6,7}	2
MUS 131	Piano Class ⁷	1
MUS 132	Piano Class ⁷	1
MUS 100	Introduction to Music Study	1
MUS 197	Piano Proficiency	0
Minimum Total Hours		38-40

Program/Major Requirements

Code	Title	Hours
Plan Courses: Jazz Area		
MUS 138	Jazz Improvisation	2
MUS 340	Jazz Improvisation II	2
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2-3
or MUS 355	The Evolution of Jazz	
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 205	Jazz Applied	2
MUS 206	Jazz Applied	2
MUS 130	Jazz Piano Class ⁸	1
MUS 198	Jazz Piano Proficiency	0
Music Electives ⁹		1-4
General or Music Electives ^{9,10}		3

MUS 496	BA Capstone Project (CUE)	0
General Electives ¹⁰		31
Minimum Total Hours		49-51

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361 ; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 , with grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 496	BA Capstone Project	

- ¹ Students are required to take PAS 214 and ANTH 205.
- ² MUH courses may not be taken to fulfill any General Education requirement.
- ³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- ⁴ Students also have the option of completing an Analysis course: MUS 349 Jazz Analysis for BA Jazz Studies.
- ⁵ Jazz students take 6 1-hour courses of Jazz Major Ensemble plus 2 1-hour courses of non-Jazz Major Ensemble.
- ⁶ The Piano Proficiency Examination is required for applied piano majors.
- ⁷ If the applied area is piano, Piano Class is replaced with 2 hours of music electives. The Piano Proficiency Examination may be taken in lieu of two semesters of Piano Class.
- ⁸ Students may substitute 1 hour of elective providing they pass the Jazz Piano Proficiency.

⁹ Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate.

For the Bachelor of Arts degree, in addition to the electives listed for the Bachelor of Music, applied music courses beyond the required four semesters are acceptable as music electives. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

¹⁰ Non-music electives which include 18 hours in one area of concentration. At least 9 hours in the area of concentration, and a total of 12 of the 31 hours, must be at the 300-level or above. The student may choose to pursue a second major or take a minor in a non-music area. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan, Even-Year Starts

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 197	Piano Proficiency	0
MUS 138	Jazz Improvisation	2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 340	Jazz Improvisation II	2
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
Non-Music Elective in chosen concentration		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16

Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 349 or MUS 242	Jazz Analysis or Theory IV	2-4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
Music Elective (students taking MUS 349 should complete 2 elective credits)		0-2
Non-Music Elective in any other discipline		3
Hours		13

Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 351	Studies in Jazz (MUS 351-02, Jazz Theory)	2
MUS 355	The Evolution of Jazz (students can alternatively fulfill requirement by taking MUS 351-01, Jazz Style & Analysis, in Spring)	3 or 0
General Education: Cardinal Core Arts & Humanities - AH		3
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in chosen concentration (300 level or above)		3
Hours		18-15

Spring		
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 351	Studies in Jazz (MUS 351-01, Jazz Style & Analysis, if MUS 355 not taken in the fall)	0-2
Non-Music Electives in any other discipline		1
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in chosen concentration (300 level or above)		3
Music Elective (students who take MUS 351-01 take 2; students who take MUS 355 take 1)		1-2
General Education: Cardinal Core Natural Sciences - S		3
Hours		15-18

Year 4		
Fall		
MUS 109	Major Ensembles	1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Non-Music Elective in any discipline (300 level or above)		3
Non Music Elective in any discipline		3
Non-Music Elective in chosen discipline (300 level or above)		3
Hours		14

Spring		
MUS 109	Major Ensembles	1
ANTH 205	Music in World Cultures - D2, SB	3
PAS 214	African-American Music - AH, D1	3
General or Music elective		3
Non-music elective in any discipline		3
MUS 496	BA Capstone Project (CUE)	0
Hours		13
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plan, Odd-Year Starts

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		15

Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 197	Piano Proficiency	0
MUS 138	Jazz Improvisation	2
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		16

Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
Non-Music Elective in chosen concentration		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities-AH		3
Hours		16

Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1

MUS 349 or MUS 242	Jazz Analysis (students opting for MUS 242 take it in Spring, Year 3) or Theory IV	2-4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
Music Elective (students taking MUS 349 should complete 2 elective credits)		2-0
Non-Music Elective in any other discipline		3
Hours		13
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 340	Jazz Improvisation II	2
		3
Non-Music Elective in any discipline (300 level or above)		3
Non-Music Elective in any discipline		3
Hours		16
Spring		
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 97	Recital Attendance (MUS 97-06)	0
Music Elective (students who take MUS 351-01 take 2; students who take MUS 355 take 1)		1-2
Non-Music Electives in any other discipline		1
Non-Music Elective in chosen concentration (300 level or above)		3
Non-Music Elective in chosen concentration (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		15-16
Year 4		
Fall		
MUS 109	Major Ensembles	1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 355	The Evolution of Jazz (students can alternatively fulfill requirement by taking MUS 351-01, Jazz Style & Analysis, in Spring)	3 or 0
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Non-Music Elective in chosen discipline		3
Non-Music Elective in Chosen Concentration		3
Hours		16-13
Spring		
MUS 109	Major Ensembles	1
MUS 496	BA Capstone Project (CUE)	0
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis if not taken in Fall)	0-2
ANTH 205	Music in World Cultures - D2, SB	3
PAS 214	African-American Music - AH, D1	3
General or Music elective		3
Non-music elective in any discipline		3
Hours		13-15
Minimum Total Hours		120

Music Organ Performance (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Organ Performance

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBM_ORG

Program Information

The Bachelor of Music in Performance degree is appropriate for students who wish to prepare for a career in music performance and related fields. Among the particular career emphases for which the BM in Performance is an appropriate preparation are professional performer, university teacher, private music studio teacher, or pre-professional preparation for music teacher certification study. Since it is unlikely that graduates of the program will have developed all the requisite skills to enter the professional ranks of performers or university teachers, most graduates will continue to develop their skills through further study.

The 560-seat Margaret Comstock Concert Hall at UofL houses three Steinway and a Bösendorfer "Imperial" concert grand pianos as well as a 64-rank Steiner-Reck organ, the largest of its kind in the Midwest. Also available to students are a number of practice organs.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	44
	Program/Major Requirements	45
	Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}		31
The following courses are required by this program and should be used to fulfill the respective General Education Requirement:		
PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 347	Analysis I	2
MUS 103	Major Applied Study	4
MUS 104	Major Applied Study	4
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		44

Program/Major Requirements

Code	Title	Hours
Organ Performance Requirements		
MUS 203	Major Applied Study	4
MUS 204	Major Applied Study	4
MUS 303	Major Applied Study	4
MUS 304	Major Applied Study	4
MUS 403	Major Applied Study	4
MUS 404	Major Applied Study	4
MUS 265	Service Playing I	2
MUS 266	Service Playing II	2
MUS 561	Literature (Organ Literature I)	2
MUS 562	Literature (Organ Literature II)	2
MUS 571	Pedagogy (Organ Pedagogy)	2
MUS 497	Senior Recital - CUE (CUE) ⁵	0
Supporting Courses		
<i>Advanced Theory</i>		
Select two 2-hour courses from the following:		4

MUS 348	Analysis II	
MUS 547	Chromatic Harmony and Analysis	
MUS 548	Post-Tonal Theory and Analysis	
MUS 549	Renaissance Counterpoint	
MUS 550	Baroque Counterpoint	
MUS 121	Secondary Applied Study (Piano)	1
MUS 122	Secondary Applied Study (Piano)	1
MUS 221	Secondary Applied Study (Piano)	1
MUS 359	Conducting I	2
Electives (General or Music) ⁶		2
Minimum Total Hours		45

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

- ¹ Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.
- ² MUH courses may not be taken to fulfill any General Education requirement.
- ³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- ⁴ Solely dependent on the ensemble audition.
- ⁵ Senior recital for all performance degrees is a public recital.

⁶ Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 103	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-01)	0
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
MUS 104	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-01)	0
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		16
Year 2		
Fall		
MUS 203	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 121	Secondary Applied Study (Piano)	1
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Spring		
MUS 204	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 359	Conducting I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 122	Secondary Applied Study (Piano)	1
MUS 297	Piano Proficiency	0
Hours		15
Year 3		
Fall		
MUS 303	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 347	Analysis I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 265	Service Playing I	2
MUS 561	Literature (MUS 561-03)	2

MUS 221	Secondary Applied Study (Piano)	1
Hours		15
Spring		
MUS 304	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 363	Music Literature III (1860-present)	3
MUS 266	Service Playing II	2
MUS 562	Literature (MUS 562-03)	2
Elective (General or Music)		1
Hours		13
Year 4		
Fall		
MUS 403	Major Applied Study	4
MUS 109	Major Ensembles	1
Advanced Theory course from specific list		2
MUS 571	Pedagogy (Organ Pedagogy)	2
General Education: Cardinal Core Natural Sciences - S		3
Elective (General or Music)		1
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Spring		
MUS 404	Major Applied Study	4
MUS 109	Major Ensembles	1
Advanced Theory course from specific list		2
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
MUS 497	Senior Recital - CUE (CUE)	0
Hours		13
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music, Piano Performance (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Piano Performance

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBM_PNO, MUSIBM_PDG

Program Information

The Bachelor of Music in Performance degree is appropriate for students who wish to prepare for a career in music performance and related fields. Among the particular career emphases for which the BM in Performance is an appropriate preparation are professional performer, university teacher, private music studio teacher, or pre-professional preparation for music teacher certification study. Since it is unlikely that graduates of the program will have developed all the requisite skills to enter the professional ranks of performers or university teachers, most graduates will continue to develop their skills through further study.

The School of Music building contains two recital halls, a 15,000 square foot music library, forty-four teaching studios, and seventy-six practice rooms, many of them with Steinway grand pianos reserved exclusively for piano majors.

Degree Summary

Emphasis in Piano Performance

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	44
	Program/Major Requirements	47
	Minimum Total Hours	122

Emphasis in Piano Performance, Track in Piano Pedagogy

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	44
	Program/Major Requirements	45
	Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

Program Requirements

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31
The following courses are required by this program and should be used to fulfill the respective General Education Requirement:		
PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	
	Minimum Total Hours	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
<i>School of Music Program Courses</i>		
	Music Theory ³	16
MUS 141	Theory I	
MUS 142	Theory II	
MUS 241	Theory III	
MUS 242	Theory IV	
	Music Literature	9
MUS 361	Music Literature I (1000-1750)	
MUS 362	Music Literature II (Classical & Early Romantic Music)	
MUS 363	Music Literature III (1860-present)	
	Principal Ensemble (eight 1-hour courses) ⁴	8
MUS 109	Major Ensembles	
	Applied Lessons ⁵	8
Applied Lessons, Piano Performance (two 4-hour courses)		
MUS 103	Major Applied Study	
& MUS 104	Major Applied Study	
-or-		
Applied Lessons, Piano Pedagogy track (four 2-hour courses)		
MUS 101	Major Applied Study	
& MUS 102	Major Applied Study	
& MUS 201	Major Applied Study	
& MUS 202	Major Applied Study	
MUS 347	Analysis I	2
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0

MUS 97	Recital Attendance (six semesters of "S")	0
Minimum Total Hours		44

Program/Major Requirements

Piano Performance

Code	Title	Hours
<i>Plan Courses: Piano Performance</i>		
Applied Lessons (six courses)		24
MUS 203	Major Applied Study	
MUS 204	Major Applied Study	
MUS 303	Major Applied Study	
MUS 304	Major Applied Study	
MUS 403	Major Applied Study	
MUS 404	Major Applied Study	
MUS 561	Literature (Piano Literature I)	2
MUS 562	Literature (Piano Literature II)	2
MUS 119	Minor Ensembles (Piano Ensemble; six half-hour courses)	3
MUS 371	Piano Pedagogy I	3
MUS 372	Piano Pedagogy II	3
MUS 397	Junior Recital ⁵	0
MUS 497	Senior Recital - CUE (CUE) ⁵	0
<i>Supporting Courses: Piano Performance</i>		
Advanced Theory		4
Select two 2-hour courses from the following:		
MUS 348	Analysis II	
MUS 547	Chromatic Harmony and Analysis	
MUS 548	Post-Tonal Theory and Analysis	
MUS 549	Renaissance Counterpoint	
MUS 550	Baroque Counterpoint	
MUS 359	Conducting I	2
Electives (General or Music) ⁶		4
Minimum Total Hours		47

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 or Analysis (MUS 347 for BA, General; MUS 349 for BA General, Jazz Studies; MUS 350 for BA, Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are

determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

Program/Major Requirements

Piano Performance, Track in Piano Pedagogy

Code	Title	Hours
<i>Plan Courses: Piano Pedagogy Track</i>		
Applied Lessons (four courses)		12
MUS 301	Major Applied Study	
MUS 302	Major Applied Study	
MUS 413	Principal Applied Study	
MUS 414	Principal Applied Study	
MUS 561	Literature (Piano Literature I)	2
MUS 562	Literature (Piano Literature II)	2
MUS 371	Piano Pedagogy I	3
MUS 372	Piano Pedagogy II	3
MUS 471	Piano Pedagogy III	3
MUS 472	Piano Pedagogy IV	3
MUS 475	Pedagogy Practicum I	1
MUS 476	Pedagogy Practicum II	1
MUS 497	Senior Recital - CUE (CUE) ^{5,7}	0
<i>Supporting Courses: Piano Pedagogy Track</i>		
Advanced Theory		4
Two 2-hour courses chosen from:		
MUS 348	Analysis II	
MUS 547	Chromatic Harmony and Analysis	
MUS 548	Post-Tonal Theory and Analysis	
MUS 549	Renaissance Counterpoint	
MUS 550	Baroque Counterpoint	
MUS 359	Conducting I	2
MUS 119	Minor Ensembles (Piano Ensemble; six 1/2-hour courses)	3
Electives (General or Music) ^{6,8}		6
Minimum Total Hours		45

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 or Analysis (MUS 347 for BA, General; MUS 349 for BA General, Jazz Studies; MUS 350 for BA, Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies, music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the division and area faculties and are outlined in the Music Student Handbook and the various Division handbooks.

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:
MUS 497 Senior Recital - CUE

- 1 Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.
- 2 MUH courses may not be taken to fulfill any General Education requirement.
- 3 Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.
- 4 Solely dependent on the ensemble audition.
- 5 Junior and Senior Recitals for all performance degrees are public recitals.
- 6 Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.
- 7 For the Track in Piano Pedagogy, the Senior Recital may be presented before the area faculty. A Junior Recital is strongly recommended for Pedagogy Majors.
- 8 Piano Pedagogy students are strongly encouraged to take a course in Educational Psychology or Child Development and to include one course in Music Entrepreneurship, Orff Schulwerk, or study on a secondary or functional instrument.

Flight Plan

Piano Performance

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 103	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
ENGL 101	Introduction to College Writing - WC	3

General Education: Cardinal Core Quantitative Reasoning - QR	3
Hours	16.5

Spring		
MUS 104	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S	3	
General Education: Cardinal Core Natural Sciences Lab - SL	1	
Hours	16.5	

Year 2		
Fall		
MUS 203	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
General or Music Elective	1	
General Education: Cardinal Core Oral Communication - OC	3	
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3	
Hours	16.5	

Spring		
MUS 204	Major Applied Study	4
MUS 297	Piano Proficiency	0
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 359	Conducting I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
General Elective	1	
Hours	15.5	

Year 3		
Fall		
MUS 303	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 347	Analysis I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 371	Piano Pedagogy I	3
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
General or Music Elective	1	
Hours	14.5	

Spring		
MUS 304	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 363	Music Literature III (1860-present)	3
MUS 372	Piano Pedagogy II	3
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
MUS 397	Junior Recital	0
ANTH 205	Music in World Cultures - D2, SB	3
Hours	14.5	

Year 4		
Fall		
MUS 403	Major Applied Study	4
MUS 109	Major Ensembles	1
Advanced Theory Course from specified list	2	
MUS 561	Literature (Piano Literature I)	2

General Education: Cardinal Core Arts & Humanities - AH	3
General Education: Cardinal Core Natural Sciences - S	3
General or Music Elective	1
Hours	16
Spring	
MUS 404 Major Applied Study	4
MUS 109 Major Ensembles	1
MUS 562 Literature	2
Advanced Theory Course from specified list	2
MUS 497 Senior Recital - CUE (CUE)	0
PAS 214 African-American Music - AH, D1	3
Hours	12
Minimum Total Hours	122

Piano Performance with a Track in Piano Pedagogy

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 101	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17.5
Spring		
MUS 102	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
ENGL 102	Intermediate College Writing - WC	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		17.5
Year 2		
Fall		
MUS 201	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Arts & Humanities - AH		3
General or Music Electives		3
Hours		16.5
Spring		
MUS 202	Major Applied Study	2
MUS 297	Piano Proficiency	0
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 359	Conducting I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5

PAS 214	African-American Music - AH, D1	3
Hours		15.5
Year 3		
Fall		
MUS 301	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
MUS 371	Piano Pedagogy I	3
General or Music Electives		3
Hours		14.5
Spring		
MUS 302	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-01)	0
MUS 363	Music Literature III (1860-present)	3
MUS 119	Minor Ensembles (Piano Ensemble)	0.5
MUS 372	Piano Pedagogy II	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		12.5
Year 4		
Fall		
MUS 413	Principal Applied Study	4
MUS 109	Major Ensembles	1
Advanced Theory Course from specified list		2
MUS 471	Piano Pedagogy III	3
MUS 561	Literature (Piano Literature I)	2
MUS 475	Pedagogy Practicum I	1
Hours		13
Spring		
MUS 414	Principal Applied Study	4
MUS 109	Major Ensembles	1
MUS 472	Piano Pedagogy IV	3
MUS 562	Literature (Piano Literature II)	2
MUS 476	Pedagogy Practicum II	1
Advanced Theory Course from specified list		2
MUS 497	Senior Recital - CUE (CUE)	0
Hours		13
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Theory (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Music Theory

Unit: Music (<http://www.louisville.edu/music>)
Academic Plan Code(s): MUSIBM_MUT

Program Information

The Bachelor of Music in Theory degree is designed for students interested in understanding and eventually teaching music theory. Many of the graduates of this degree will pursue graduate studies in music theory. In addition to those goals common to all professional baccalaureate degrees in music, students in music theory develop an advanced capability for music analysis, including sophisticated communication skills about analysis and the ability to analyze a musical work from multiple perspectives. Students also develop a sophisticated knowledge of the relationship between music theory and music composition, including the ability to compose music with acoustic and digital sources, and with a degree of technical mastery of music notation, arranging, and computer notation. Theory majors use the tools of music analysis and theoretical research, including keyboard, knowledge of foreign languages, and bibliographic tools. Research techniques and effective written and oral communication skills must be demonstrated by the development and presentation of a senior paper.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Major Requirements	42
	Minimum Total Hours	120

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class ^{5,6}	1
MUS 132	Piano Class ^{5,6}	1
MUS 231	Piano Class III ^{5,6}	1
MUS 347	Analysis I	2
MUS 111	Principal Applied Study	2
MUS 112	Principal Applied Study	2
MUS 211	Principal Applied Study	2
MUS 212	Principal Applied Study	2
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
	Minimum Total Hours	47

Program/Major Requirements

Code	Title	Hours
Music Theory Requirements		
MUS 145 & MUS 146	Secondary Composition	4
MUS 267	Music Theory Seminar (six 1/2 hour courses)	3
MUS 552	Pedagogy of Theory	2

One course chosen from the following in consultation with the advisor and private instructor:	2
MUS 345 Orchestral Scoring	
MUS 346 Band/Choral Scoring	
MUS 545 Advanced Instrumental Scoring	
MUS 348 Analysis II	2
MUS 547 Chromatic Harmony and Analysis & MUS 548 Post-Tonal Theory and Analysis	4
MUS 549 Renaissance Counterpoint & MUS 550 Baroque Counterpoint	4
MUS 270 Creative Audio Recording and Production Techniques	2
MUS 498 Thesis Guidance - CUE (CUE)	4
Supporting Courses	
MUS 359 Conducting I	2
MUS 325 Arts Instrument & MUS 326 Arts Instrument	2
MUS 425 Arts Instrument & MUS 426 Arts Instrument	2
GERM 121 Basic German I ⁷	4
MUS 129 Cardinal Singers or MUS 119 Minor Ensembles	0.5
Electives ⁸	4.5
Minimum Total Hours	42

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 498	Thesis Guidance - CUE	

¹ Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.

- ² MUH courses may not be taken to fulfill any General Education requirement.
- ³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 Musicianship I for the spring semester. Credits for MUS 92 do not count toward the degree.
- ⁴ Strings take section 01, others solely dependent on the ensemble audition.
- ⁵ If applied principal is piano, Piano Class is replaced with 3 hours of electives. For students with a piano background, three semesters of MUS 121-MUS 221 (Secondary Piano) may be substituted.
- ⁶ Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the proficiency exam requirement is complete. Students must be enrolled continuously in Piano Class until their requirement has been completed. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits. Entering students who have a background in piano may register for MUS 297 Piano Proficiency for one semester with approval of the Keyboard Area.
- ⁷ Theory majors are strongly advised to take a second semester of German.
- ⁸ Music electives in any Bachelor of Music degree should be chosen from courses in Music History, Music Theory/Composition, Music Education, Music Literature, Music Pedagogy, Music Therapy, Jazz, a secondary applied area, or a non-required ensemble. Courses beyond the degree requirement in the student's major applied area or in the required major ensemble(s) are not appropriate. MUH courses will not be accepted as music electives. School of Music students may count up to two one-hour Physical Education courses toward the general elective requirement.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class (or Music Elective)	1
MUS 145	Secondary Composition	2
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		17
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 146	Secondary Composition	2
ENGL 102	Intermediate College Writing - WC	3

General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0
MUS 267	Music Theory Seminar	0.5
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		14.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUS 267	Music Theory Seminar	0.5
MUS 359	Conducting I	2
MUS 270	Creative Audio Recording and Production Techniques	2
Hours		14.5
Year 3		
Fall		
MUS 325	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 267	Music Theory Seminar	0.5
MUS 345	Orchestral Scoring	2
or MUS 346	or Band/Choral Scoring	
or MUS 545	or Advanced Instrumental Scoring	
MUS 347	Analysis I	2
MUS 119	Minor Ensembles	0.5
or MUS 129	or Cardinal Singers	
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Music or General Elective		1
Hours		15
Spring		
MUS 326	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUS 267	Music Theory Seminar	0.5
MUS 346	Band/Choral Scoring (Only if student did not take MUS 345 or MUS 545)	
MUS 348	Analysis II	2
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
PAS 214	African-American Music - AH, D1	3
Hours		13.5
Year 4		
Fall		
MUS 425	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 549	Renaissance Counterpoint	2
MUS 548	Post-Tonal Theory and Analysis	2
MUS 267	Music Theory Seminar	0.5
GERM 121	Basic German I	4

Music or General Electives		2
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15.5
Spring		
MUS 426	Arts Instrument	1
MUS 109	Major Ensembles	1
MUS 550	Baroque Counterpoint	2
MUS 547	Chromatic Harmony and Analysis	2
MUS 267	Music Theory Seminar	0.5
MUS 552	Pedagogy of Theory	2
Music or General Electives		1.5
MUS 498	Thesis Guidance - CUE (CUE)	4
Hours		14
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Music Therapy (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Music Therapy

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): See Track Requirements tab

Program Information

The music therapy program is designed for students who want to provide therapeutic services to people using music. Students must be strong musicians and find satisfaction in using music to help with non-music areas and skills, rather than as a goal in itself. Students' music skills will expand during their music therapy course work from performing on their principal instrument to also including functional piano, guitar, and voice skills, using other accompanying instruments such as the Q-chord and autoharp, and developing skill in using percussion instruments. The music therapy program requires good intellectual skills as music therapists are required to use analytical skills in determining clinical goals and writing skills in documentation.

Music therapy majors may work with any age group and with people with a variety of disabilities. As a member of a therapeutic team or private practitioner, the music therapist participates in the analysis of individual problems and the establishment of treatment goals before planning and carrying out music-related treatment. Music therapists may also do administration in various health-related settings and, with advanced degrees, may become university faculty.

Degree Summary

Emphasis in Music Therapy (MUTHBM)

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Major Requirements	54
	Minimum Total Hours	132

Emphasis in Music Therapy with track in Jazz Studies (MUTHBMJAZ)

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	47
	Program/Major Requirements (including track course work)	67
	Minimum Total Hours	145

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 and ANTH 205 to satisfy some of the General Education requirements. COMM 115 is suggested for satisfying the Oral Communication requirement.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

Degree Requirements

The Music Therapy curriculum meets the competency requirements of the American Music Therapy Association (AMTA). Students must complete a minimum of 1200 hours of clinical training which includes at least 180 hours in pre-internship experiences and at least 900 hours in internship experiences. Students completing the Music Therapy

curriculum are eligible to take the examination to become a Board Certified Music Therapist, offered by the Certification Board for Music Therapists.

A person who already has a bachelor's degree from an accredited institution and who wishes to become a music therapist may take the courses not already taken that are required for music therapy certification, known as "equivalency" courses since they provide the equivalent of an undergraduate degree. The music therapy equivalency program leads to eligibility to apply to become a Board Certified Music Therapist but does not lead to a degree. Specific course requirements, based on the student's transcript and experiences, are determined in conjunction with the Director of Music Therapy.

Students must demonstrate experience and competence in the use of percussion instruments and in the use of computers and music as appropriate for music therapists.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1	
ANTH 205	Music in World Cultures - D2, SB	
COMM 115	Interpersonal Skills - OC (suggested)	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
<i>School of Music Program Courses</i>		
Music Theory ³		16
MUS 141	Theory I	
MUS 142	Theory II	
MUS 241	Theory III	
MUS 242	Theory IV	
Music Literature		9
MUS 361	Music Literature I (1000-1750)	
MUS 362	Music Literature II (Classical & Early Romantic Music)	
MUS 363	Music Literature III (1860-present)	
Principal Ensemble (eight 1-hour courses) ⁴		8
MUS 109	Major Ensembles	
Applied Lessons		8
<i>(Eight 1-hour courses, four 2-hour courses, or a combination of the two)</i>		

1-hour courses:

MUS 125 & MUS 126 & MUS 225 & MUS 226 & MUS 325 & MUS 326 & MUS 425 & MUS 426	Arts Instrument Arts Instrument Arts Instrument Arts Instrument Arts Instrument Arts Instrument Arts Instrument Arts Instrument	
- and/or -		
2-hour courses:		
MUS 111 & MUS 112 & MUS 211 & MUS 212	Principal Applied Study Principal Applied Study Principal Applied Study Principal Applied Study	
- and/or - FOR STUDENTS WITH A TRACK IN JAZZ STUDIES		
2-hour courses:		
MUS 105 & MUS 106 & MUS 205 & MUS 206	Jazz Applied Jazz Applied Jazz Applied Jazz Applied	
Piano Class (three 1-hour courses) ^{5,6}		3
MUS 131 & MUS 132 & MUS 231	Piano Class Piano Class Piano Class III	
MUS 97	Recital Attendance (six semesters of "S" required, non-credit)	0
MUS 347 or MUS 349	Analysis I (MUS 349 for Jazz Track students) Jazz Analysis	2
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		47

Program/Major Requirements

Music Therapy

Academic Plan Code(s): MUTHBM

Code	Title	Hours
<i>Music Therapy Requirements</i>		
MUTH 101	Introduction to Music Therapy	1
MUTH 201 & MUTH 202	Music Therapy Techniques I Music Therapy Techniques II	6
MUTH 113 & MUTH 213 & MUTH 214 & MUTH 313	Cinical Music Therapy Applications I Clinical Music Therapy Applications II Clinical Music Therapy Applications III Clinical Music Therapy Applications IV	2
MUTH 301	Psychology of Music	3
MUTH 311	Improvisation for Music Therapy I	1
MUTH 321 & MUTH 322 & MUTH 421 & MUTH 422	Practicum in Music Therapy I Practicum in Music Therapy II Practicum in Music Therapy III Practicum in Music Therapy IV	4
MUTH 431 & MUTH 432	Principles and Practices of Music Therapy I Principles and Practices of Music Therapy II	6
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 325 & MUTH 326	Music Therapy Training Group I Music Therapy Training Group II	2

MUTH 451	Music Therapy Internship - CUE (CUE) ⁷	2
<i>Supporting Courses</i> ⁸		
MUS 217 & MUS 218	Class Guitar I for Music Therapy Class Guitar II for Music Therapy	4
MUS 133 & MUS 134	Functional Study Functional Study (Functional Guitar)	2
MUS 219	Class Ukulele	1
MUS 227 or MUS 123	Voice Class ^{9,10} Diction	1
PSYC 201	Introduction to Psychology - SB	3
PSYC 306	Life Span Developmental Psychology (previously PSYC 363)	3
PSYC 308	Abnormal Psychology (previously PSYC 385)	3
MUTH 328	Anatomy & Physiology for Music Therapy	3
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1
EDSP 240	Introduction to Exceptional Children	3
Minimum Total Hours		54

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUTH 451	Music Therapy Internship - CUE	
Code	Title	Hours
Minimum Total Hours, BM with Emphasis in Music Therapy		132

Music Therapy with a Track in Jazz Studies

Academic Plan Code(s): MUTHBM_JAZ

Code	Title	Hours
<i>Music Therapy Requirements</i>		
MUTH 101	Introduction to Music Therapy	1
MUTH 201 & MUTH 202	Music Therapy Techniques I Music Therapy Techniques II	6
MUTH 113 & MUTH 213 & MUTH 214 & MUTH 313	Cinical Music Therapy Applications I Clinical Music Therapy Applications II Clinical Music Therapy Applications III Clinical Music Therapy Applications IV	2
MUTH 301	Psychology of Music	3
MUTH 321 & MUTH 322 & MUTH 421 & MUTH 422	Practicum in Music Therapy I Practicum in Music Therapy II Practicum in Music Therapy III Practicum in Music Therapy IV	4
MUTH 431 & MUTH 432	Principles and Practices of Music Therapy I Principles and Practices of Music Therapy II	6
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 325 & MUTH 326	Music Therapy Training Group I Music Therapy Training Group II	2
MUTH 451	Music Therapy Internship - CUE (CUE) ⁷	2
<i>Supporting Area; Track Courses⁸</i>		
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUS 138 & MUS 340	Jazz Improvisation Jazz Improvisation II	4
MUS 217 & MUS 218	Class Guitar I for Music Therapy Class Guitar II for Music Therapy	4
MUS 133 & MUS 134	Functional Study Functional Study (Functional Guitar)	2
MUS 219	Class Ukulele	1
MUS 227 or MUS 123	Voice Class ^{9,10} Diction	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style & Analysis)	2
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
MUS 352	Jazz Repertoire	2
MUS 355	The Evolution of Jazz	3
PSYC 201	Introduction to Psychology - SB	3
PSYC 306	Life Span Developmental Psychology (previously PSYC 363)	3
PSYC 308	Abnormal Psychology (previously PSYC 385)	3
MUTH 328	Anatomy & Physiology for Music Therapy	3
EDSP 240	Introduction to Exceptional Children	3
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1
Minimum Total Hours		67

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361; 4

semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance, with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional Gen Ed courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies, music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the division and area faculties and are outlined in the *Music Student Handbook* and the various Division handbooks.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUTH 451	Music Therapy Internship - CUE	
Code Title Hours		
Minimum Total Hours, BM with Emphasis in Music Theory with a track in Jazz Studies		
		145

¹ Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB. In addition, Music Therapy majors should consider COMM 115 Interpersonal Skills - OC to satisfy the Oral Communication content.

² MUH courses may not be taken to fulfill any General Education requirement.

³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 Musicianship I for the spring semester. Credits for MUS 92 do not count toward the degree.

⁴ Strings take Section 01, others solely dependent on the ensemble audition. Jazz Studies track students take six 1-hour courses of Jazz Ensemble plus two 1-hour courses of other Major Ensemble.

⁵ If the Applied Principal is piano, Piano Class is replaced with 3 hours of electives.

⁶ Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the proficiency exam requirement is complete. Students must be enrolled continuously in Piano Class until their requirement has been completed. Those who pass the Piano Proficiency Examination before the end of the third semester of Piano Class may replace the requirement with electives or with secondary piano if faculty load permits. Entering students who have a background in piano may register for MUS 297 Piano Proficiency for one semester with approval of the Keyboard Area.

⁷ The internship is done after all other music therapy course work has been completed. The American Music Therapy Association requires that a student receive a grade of C- or better in all music therapy courses in order to be eligible for the internship. It must be completed within 24 months of completion of music therapy course work. However, the School of Music will not accept work below a C (not a C-minus) in a major subject.

- ⁸ Music Therapy students will require a C (not C-minus) grade in order to pass Supportive Area courses.
- ⁹ Music Therapy degree students may substitute Voice study at the functional level, MUS 133, for MUS 227 Voice Class at the discretion of the voice faculty.
- ¹⁰ MUS 123 Diction is required for all applied voice students.

Flight Plan, BM in Music Therapy

Flight Plans for the tracks in Jazz Studies are on the following tabs (Jazz Flight Plans, Even and Jazz Flight Plans, Odd).

Music Therapy

Academic Plan Code(s): MUTHBM

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 111	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance	0
MUS 131	Piano Class	1
MUS 217	Class Guitar I for Music Therapy	2
MUTH 101	Introduction to Music Therapy	1
ENGL 101	Introduction to College Writing - WC	3
Hours		15
Spring		
MUS 112	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance	0
MUS 132	Piano Class	1
MUS 218	Class Guitar II for Music Therapy	2
MUTH 113	Cinical Music Therapy Applications I	0.5
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16.5
Year 2		
Fall		
MUS 211	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0
MUTH 201	Music Therapy Techniques I	3
MUTH 213	Clinical Music Therapy Applications II	0.5
MUS 123	Diction	1
or MUS 227	or Voice Class	
PSYC 201	Introduction to Psychology - SB	3
Hours		15.5
Spring		
MUS 212	Principal Applied Study	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance	0
MUTH 202	Music Therapy Techniques II	3
MUTH 214	Clinical Music Therapy Applications III	0.5

COMM 115	Interpersonal Skills - OC (Interpersonal Skills - OC (suggested))	3
Hours		16.5
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
MUTH 301	Psychology of Music	3
MUTH 313	Clinical Music Therapy Applications IV	0.5
MUTH 321	Practicum in Music Therapy I	1
MUTH 325	Music Therapy Training Group I	1
PSYC 306	Life Span Developmental Psychology	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17.5
Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 322	Practicum in Music Therapy II	1
MUTH 326	Music Therapy Training Group II	1
ANTH 205	Music in World Cultures - D2, SB	3
MUS 219	Class Ukulele	1
PSYC 308	Abnormal Psychology	3
MUTH 311	Improvisation for Music Therapy I	1
Hours		17
Year 4		
Fall		
MUS 109	Major Ensembles	1
MUTH 431	Principles and Practices of Music Therapy I	3
MUTH 421	Practicum in Music Therapy III	1
MUS 133	Functional Study (Guitar)	1
EDSP 240	Introduction to Exceptional Children	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Spring		
MUS 109	Major Ensembles	1
MUTH 328	Anatomy & Physiology for Music Therapy	3
MUTH 422	Practicum in Music Therapy IV	1
MUTH 432	Principles and Practices of Music Therapy II	3
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1
MUS 134	Functional Study (Guitar)	1
PAS 214	African-American Music - AH, D1	3
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 5		
Fall		
MUTH 451	Music Therapy Internship - CUE	2
Hours		2
Minimum Total Hours		132

Music Therapy with a track in Jazz Studies

Academic Plan Code(s): MUTHBM JAZ

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
MUTH 101	Introduction to Music Therapy	1
ENGL 101	Introduction to College Writing - WC	3
MUS 217	Class Guitar I for Music Therapy	2
Hours		15
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 138	Jazz Improvisation	2
MUTH 113	Cinical Music Therapy Applications I	0.5
ENGL 102	Intermediate College Writing - WC	3
MUS 218	Class Guitar II for Music Therapy	2
Hours		15.5
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0
MUTH 201	Music Therapy Techniques I	3
MUTH 213	Clinical Music Therapy Applications II	0.5
MUS 227	Voice Class	1
MUS 340	Jazz Improvisation II	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17.5
Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUTH 202	Music Therapy Techniques II	3
MUTH 214	Clinical Music Therapy Applications III	0.5
PSYC 201	Introduction to Psychology - SB	3
Hours		16.5
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
or MUS 349	or Jazz Analysis	
MUTH 301	Psychology of Music	3
MUTH 313	Clinical Music Therapy Applications IV	0.5
MUTH 321	Practicum in Music Therapy I	1
MUTH 325	Music Therapy Training Group I	1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
General Education: Cardinal Core Oral Communication - OC		3
Hours		16.5

Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 322	Practicum in Music Therapy II	1
MUTH 326	Music Therapy Training Group II	1
MUS 219	Class Ukulele	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
PSYC 308	Abnormal Psychology	3
Hours		15
Year 4		
Fall		
MUS 109	Major Ensembles	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUTH 431	Principles and Practices of Music Therapy I	3
MUTH 421	Practicum in Music Therapy III	1
MUS 352	Jazz Repertoire	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Spring		
MUS 109	Major Ensembles	1
MUTH 328	Anatomy & Physiology for Music Therapy	3
MUTH 422	Practicum in Music Therapy IV	1
MUTH 432	Principles and Practices of Music Therapy II	3
MUS 133	Functional Study (Guitar)	1
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1
PAS 214	African-American Music - AH, D1	3
PSYC 306	Life Span Developmental Psychology	3
Hours		16
Year 5		
Fall		
MUS 134	Functional Study (Guitar)	1
MUS 355	The Evolution of Jazz	3
EDSP 240	Introduction to Exceptional Children	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Spring		
MUTH 451	Music Therapy Internship - CUE	2
Hours		2
Minimum Total Hours		145

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plan, BM in Music Therapy, Track in Jazz Studies, Even-Year Starts

A four-year Flight Plan without a track in Jazz Studies is on the preceding tab (Flight Plan).

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.). Students starting in odd-numbered years should refer to the Jazz Flight Plan, Odd tab.

Music Therapy with a track in Jazz Studies

Academic Plan Code(s): MUTHBM_JAZ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of even-numbered years (e.g., 2018, 2020, 2022, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
MUTH 101	Introduction to Music Therapy	1
ENGL 101	Introduction to College Writing - WC	3
MUS 217	Class Guitar I for Music Therapy	2
Hours		15
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 138	Jazz Improvisation	2
MUTH 113	Cinical Music Therapy Applications I	0.5
ENGL 102	Intermediate College Writing - WC	3
MUS 218	Class Guitar II for Music Therapy	2
Hours		15.5
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0

MUTH 201	Music Therapy Techniques I	3
MUTH 213	Clinical Music Therapy Applications II	0.5
MUS 227	Voice Class	1
MUS 340	Jazz Improvisation II	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17.5
Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUTH 202	Music Therapy Techniques II	3
MUTH 214	Clinical Music Therapy Applications III	0.5
PSYC 201	Introduction to Psychology - SB	3
Hours		16.5
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347 or MUS 349	Analysis I or Jazz Analysis	2
MUTH 301	Psychology of Music	3
MUTH 313	Clinical Music Therapy Applications IV	0.5
MUTH 321	Practicum in Music Therapy I	1
MUTH 325	Music Therapy Training Group I	1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
General Education: Cardinal Core Oral Communication - OC		3
Hours		16.5
Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 322	Practicum in Music Therapy II	1
MUTH 326	Music Therapy Training Group II	1
MUS 219	Class Ukulele	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
PSYC 308	Abnormal Psychology	3
Hours		15
Year 4		
Fall		
MUS 109	Major Ensembles	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUTH 431	Principles and Practices of Music Therapy I	3
MUTH 421	Practicum in Music Therapy III	1
MUS 352	Jazz Repertoire	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Spring		
MUS 109	Major Ensembles	1
MUTH 328	Anatomy & Physiology for Music Therapy	3
MUTH 422	Practicum in Music Therapy IV	1
MUTH 432	Principles and Practices of Music Therapy II	3
MUS 133	Functional Study (Guitar)	1
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1

PAS 214	African-American Music - AH, D1	3
PSYC 306	Life Span Developmental Psychology	3
Hours		16
Year 5		
Fall		
MUS 134	Functional Study (Guitar)	1
MUS 355	The Evolution of Jazz	3
EDSP 240	Introduction to Exceptional Children	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Spring		
MUTH 451	Music Therapy Internship - CUE	2
Hours		2
Minimum Total Hours		145

Degree Audit Report

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Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Flight Plan, BM in Music Therapy, Track in Jazz Studies, Odd-Year Starts

A four-year Flight Plan without a track in Jazz Studies is on the preceding tab (Flight Plan).

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.). Students starting in even-numbered years should refer to the Jazz Flight Plan, Even tab.

Music Therapy with a track in Jazz Studies

Academic Plan Code(s): MUTHBM_JAZ

The four-year plan of study listed below is applicable for students who begin their academic programs in the fall semester of odd-numbered years (e.g., 2019, 2021, 2023, etc.).

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 105	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 131	Piano Class (or Music Elective)	1
MUTH 101	Introduction to Music Therapy	1
ENGL 101	Introduction to College Writing - WC	3
MUS 217	Class Guitar I for Music Therapy	2
Hours		15
Spring		
MUS 106	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 132	Piano Class (or Music Elective)	1
MUS 138	Jazz Improvisation	2
MUTH 113	Clinical Music Therapy Applications I	0.5
ENGL 102	Intermediate College Writing - WC	3
MUS 218	Class Guitar II for Music Therapy	2
Hours		15.5
Year 2		
Fall		
MUS 205	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 231	Piano Class III (or Music Elective)	1
MUS 297	Piano Proficiency	0
MUTH 201	Music Therapy Techniques I	3
MUTH 213	Clinical Music Therapy Applications II	0.5
MUS 227	Voice Class	1
MUS 340	Jazz Improvisation II	2
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		17.5
Spring		
MUS 206	Jazz Applied	2
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 97	Recital Attendance (MUS 97-06)	0
MUTH 202	Music Therapy Techniques II	3
MUTH 214	Clinical Music Therapy Applications III	0.5
PSYC 201	Introduction to Psychology - SB	3
Hours		16.5
Year 3		
Fall		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-06)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 347	Analysis I	2
or MUS 349	or Jazz Analysis	
MUTH 301	Psychology of Music	3
MUTH 313	Clinical Music Therapy Applications IV	0.5
MUTH 321	Practicum in Music Therapy I	1
MUTH 325	Music Therapy Training Group I	1
MUS 351	Studies in Jazz (MUS 351-02 Jazz Theory)	2
General Education: Cardinal Core Oral Communication - OC		3
Hours		16.5

Spring		
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance	0
MUS 363	Music Literature III (1860-present)	3
MUTH 302	Introduction to Research in Music Therapy	3
MUTH 322	Practicum in Music Therapy II	1
MUTH 326	Music Therapy Training Group II	1
MUS 219	Class Ukulele	1
MUS 351	Studies in Jazz (MUS 351-01 Jazz Style and Analysis)	2
PSYC 308	Abnormal Psychology	3
Hours		15

Year 4		
Fall		
MUS 109	Major Ensembles	1
MUS 130	Jazz Piano Class	1
MUS 198	Jazz Piano Proficiency	0
MUTH 431	Principles and Practices of Music Therapy I	3
MUTH 421	Practicum in Music Therapy III	1
MUS 352	Jazz Repertoire	2
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15

Spring		
MUS 109	Major Ensembles	1
MUTH 328	Anatomy & Physiology for Music Therapy	3
MUTH 422	Practicum in Music Therapy IV	1
MUTH 432	Principles and Practices of Music Therapy II	3
MUS 133	Functional Study (Guitar)	1
MUED 405	Introduction to Orff Schulwerk: Music and Movement Education	1
PAS 214	African-American Music - AH, D1	3
PSYC 306	Life Span Developmental Psychology	3
Hours		16

Year 5		
Fall		
MUS 134	Functional Study (Guitar)	1
MUS 355	The Evolution of Jazz	3
EDSP 240	Introduction to Exceptional Children	3
ANTH 205	Music in World Cultures - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Spring		
MUTH 451	Music Therapy Internship - CUE	2
Hours		2
Minimum Total Hours		145

Degree Audit Report

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Music Vocal Performance (BM)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Music with Emphasis in Vocal Performance

Unit: Music (<http://www.louisville.edu/music>)

Academic Plan Code(s): MUSIBM_VOC

Program Information

The Bachelor of Music in Vocal Performance degree is appropriate for students who wish to prepare for a career in music performance and related fields. Among the particular career emphases for which the BM in Vocal Performance is an appropriate preparation are professional performer, university teacher, private music studio teacher, or pre-professional preparation for music teacher certification study.

Most graduates will continue to develop their skills through further study. Students who have completed the BM in Vocal Performance at UofL typically do very well in gaining admission to strong graduate programs nationwide.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		47
Program/Major Requirements		51
Minimum Total Hours		129

¹ While not included in the School or Program coursework requirements, students are expected to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB to satisfy some of the General Education requirements.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students in this unit are admitted directly into their degree program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ^{1,2}	31

The following courses are required by this program and should be used to fulfill the respective General Education Requirement:

PAS 214	African-American Music - AH, D1
ANTH 205	Music in World Cultures - D2, SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
School of Music Requirements		
MUS 141	Theory I ³	4
MUS 142	Theory II ³	4
MUS 241	Theory III	4
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 363	Music Literature III (1860-present)	3
MUS 109	Major Ensembles (eight 1-hour courses) ⁴	8
MUS 97	Recital Attendance (six semesters of "S")	0
MUS 131	Piano Class	1
MUS 132	Piano Class	1
MUS 231	Piano Class III ⁵	1
MUS 347	Analysis I	2
MUS 104	Major Applied Study	4
MUS 203	Major Applied Study	4
MUS 100	Introduction to Music Study	1
MUS 297	Piano Proficiency	0
Minimum Total Hours		47

Program/Major Requirements

Code	Title	Hours
Vocal Performance Requirements		
MUS 101	Major Applied Study	2
MUS 204	Major Applied Study	4
MUS 303	Major Applied Study	4
MUS 304	Major Applied Study	4
MUS 403	Major Applied Study	4
MUS 404	Major Applied Study	4
MUS 561	Literature (Vocal Literature I)	2

MUS 562	Literature (Vocal Literature II)	2
MUS 123	Diction	1
MUS 124	Diction	1
MUS 571	Pedagogy (Voice Pedagogy)	2
MUS 119	Minor Ensembles (two ½ hour courses of Opera Workshop)	1
MUS 497	Senior Recital - CUE ⁶	0

Supporting Courses

MUS 121	Secondary Applied Study (Secondary Piano)	1
MUS 122	Secondary Applied Study (Secondary Piano)	1
MUS 359	Conducting I	2

Foreign Language

Select two of the following sequences: 16

Sequence One:

ITAL 121	Basic Italian I
& ITAL 122	Basic Italian II

Sequence Two:

GERM 121	Basic German I
& GERM 122	Basic German II

Sequence Three:

FREN 121	Basic French I
& FREN 122	Basic French II

Minimum Total Hours 51

Upper Division Assessment

All students enrolled in a music degree program will be reviewed at the approximate midpoint of the selected program in order for students to achieve Upper Division status. Students must meet the standards of this review to register for 400-level courses in music. Both the elements and standards of the review are established by the faculty and include credit for MUS 242 Theory IV or Analysis (MUS 347 for BA General; MUS 349 for BA Jazz Studies; MUS 350 for BA Music & New Media); MUS 361 ; 4 semesters of Applied Instrument at the course numbers required for the degree; Piano Proficiency Examination; MUS 97 Recital Attendance , with a grade of S for 4 semesters; Ensemble participation; cumulative 2.5 GPA (good standing); minimum of 48 credit hours completed; pass ENGL 101 or ENGL 105; and 3 additional General Education/Cardinal Core courses.

Additional specific elements and standards appropriate to specific degree programs in jazz studies (including jazz performance, music education and music therapy with tracks in jazz studies, and the BA in jazz studies), music composition, music education, music history, instrumental and vocal performance, pedagogy, music theory, and music therapy are required of students in order to achieve Upper Division status and to continue in the degree program. Specific degree requirements are determined by the concentration and area faculties and are outlined in the *Undergraduate Student Handbook*.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
MUS 497	Senior Recital - CUE	

¹ Students are required to take PAS 214 African-American Music - AH, D1 and ANTH 205 Music in World Cultures - D2, SB.

² MUH courses may not be taken to fulfill any General Education requirement.

- ³ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 Fundamentals of Music I for 0 credit concurrently with MUS 141 Theory I. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142 Theory II, must enroll in MUS 92 Musicianship I for the spring semester. Credits for MUS 92 do not count toward the degree.
- ⁴ Solely dependent on the ensemble audition. Two semesters of Opera Theater are recommended.
- ⁵ Students will take the Piano Proficiency Examination at the end of MUS 231. Any student not completing the Piano Proficiency Examination will be required to take MUS 232 until the proficiency exam requirement is complete.
- ⁶ The Senior Recital is considered to be the senior capstone/ culminating experience for the BM degree in Vocal Performance and is accompanied by written program notes which are to be approved by the applied teacher and one other faculty member.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
MUS 100	Introduction to Music Study	1
MUS 101	Major Applied Study	2
MUS 109	Major Ensembles	1
MUS 141	Theory I	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 123	Diction	1
MUS 131	Piano Class	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Hours		16
Spring		
MUS 104	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 142	Theory II	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 124	Diction	1
MUS 132	Piano Class	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		17
Year 2		
Fall		
MUS 203	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 241	Theory III	4
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 231	Piano Class III	1
MUS 297	Piano Proficiency	0
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		17
Spring		
MUS 204	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 242	Theory IV	4
MUS 361	Music Literature I (1000-1750)	3
MUS 359	Conducting I	2

MUS 97	Recital Attendance (MUS 97-02)	0
MUS 121	Secondary Applied Study (Piano)	1
Hours		15
Year 3		
Fall		
MUS 303	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 347	Analysis I	2
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 362	Music Literature II (Classical & Early Romantic Music)	3
MUS 561	Literature (Vocal Literature)	2
MUS 122	Secondary Applied Study (Piano)	1
MUS 119	Minor Ensembles (Opera Workshop)	0.5
Foreign Language (Sequence 1a)		4
Hours		17.5
Spring		
MUS 304	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 97	Recital Attendance (MUS 97-02)	0
MUS 363	Music Literature III (1860-present)	3
MUS 562	Literature (Vocal Literature)	2
Foreign Language (Sequence 1b)		4
Hours		14
Year 4		
Fall		
MUS 403	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 119	Minor Ensembles (Opera Workshop)	0.5
MUS 571	Pedagogy (Voice Pedagogy)	2
Foreign Language (Sequence 2a)		4
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		17.5
Spring		
MUS 404	Major Applied Study	4
MUS 109	Major Ensembles	1
MUS 497	Senior Recital - CUE (CUE)	0
Foreign Language (Sequence 2b)		4
PAS 214	African-American Music - AH, D1	3
ANTH 205	Music in World Cultures - D2, SB	3
Hours		15
Minimum Total Hours		129

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

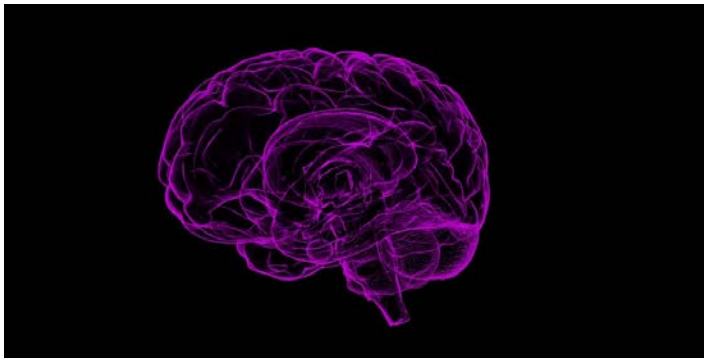
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Neuroscience (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Neuroscience

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
Department: Psychological and Brain Sciences (<http://louisville.edu/psychology>); Anatomical Sciences and Neurobiology (<http://louisville.edu/medicine/departments/anatomy>)
Academic Plan Code(s): NEURBS

Program Information

The Bachelor of Science in Neuroscience (BS in Neuroscience) is an interdisciplinary degree with a STEM+Health focus. The program trains students to critically assess and analyze ideas and concepts from the diverse disciplines that contribute to the field of neuroscience. Students achieve an in-depth understanding of nervous system function, from the molecular level to the cognitive sciences, and become familiar with the techniques used to measure nervous system function from the cellular level to the whole brain.

Graduates of this program are poised for careers in a wide variety of areas, including neuroscience and health-related fields, the social sciences, and the biological sciences. This program also prepares students for advanced-degree study in graduate school and professional degree programs.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	77
	Minimum Total Hours	121-123

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Admission Requirements

Requirements for admission to the BS in Neuroscience:

1. Complete PSYC 201 or (equivalent) and PSYC 305, earning a grade of C or higher.
2. Complete Statistics Requirement (PSYC 301 or BIOL 350), earning a grade of C or higher. Completion of MATH 205 is required for the degree. For admission to the major, students must have completed the necessary math coursework, or have a math placement score, to satisfy the prerequisites to enroll in MATH 205.
3. Have an overall cumulative GPA of at least 2.5 (no grades of C-minus or lower in core or supporting coursework may be counted toward requirements for the major).
4. Have completed at least 30 hours of degree-applicable credit.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

PSYC 201	Introduction to Psychology - SB
BIOL 240	Unity of Life - S
CHEM 201	General Chemistry I - S
CHEM 207	Introduction to Chemical Analysis I - SL
MATH 205	Calculus I - QR

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Social Sciences at 300+level ²	6
	WR - two approved courses at the 300 level or above ³	
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Program Coursework		
PSYC 201	Introduction to Psychology - SB	3
PSYC 301	Statistics for Psychology	3
or BIOL 350	Biostatistics	
PSYC 302	Research Methods for Psychology	3
PSYC 305	Brain and Behavior	3
PSYC 331	Sensation and Perception	3
BIOL 329	Cellular and Molecular Biology	3
PSYC 355	Neuroscience	3
PSYC 382	Cognitive Neuroscience	3
BIOL 465	Principles of Physiology	3
or BE 354	Anatomy and Physiology	
PSYC 492	Undergraduate Psychology Research - CUE (or PSYC 495 and PSYC 496)	3
ASNB 502	Fundamentals of Neuroscience	3
One of the following:		3
ASNB 517	Seminar on Developmental Neurobiology	
ASNB 566	Synaptic Organization of the Central Nervous System	
Supporting Coursework		
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
MATH 205	Calculus I - QR	4
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
PHYS 221	Fundamentals of Physics I - S	3
PHYS 222	Fundamentals of Physics II - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
Electives ⁴		12
Suggested Electives		
ASNB 514	Molecular Neuroscience	
BIOL 330	Genetics and Molecular Biology	
BIOL 331	Genetics and Molecular Biology: Laboratory	
BIOL 415	Biology of the Cell - CUE, WR ⁵	
BIOL 511	Behavioral Endocrinology - CUE, WR ⁵	
BIOL 540	Intermediary Metabolism	
CHEM 341	Organic Chemistry I	
CHEM 343	Organic Chemistry Laboratory I	
CHEM 342	Organic Chemistry II	
CHEM 344	Organic Chemistry Laboratory II	
CHEM 545	Biochemistry I	
PHIL 536	Philosophy of Science	
PHIL 580	Foundations of Bioethics	
PHIL 581	Current Controversies in Health Care Ethics	
PSYC 307	Cognitive Processes	

PSYC 306	Life Span Developmental Psychology	
PSYC 308	Abnormal Psychology	
PSYC 445	Special Topics in Neuroscience - WR	
Minimum Program/Major Hours		77
Minimum Total Degree Hours		121-123

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Students must participate in at least 3 hours of a research experience, which may include independent research or directed readings with a neuroscience faculty mentor.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation Requirement)		
Requirement fulfilled by completing one of the following:		
PSYC 492	Undergraduate Psychology Research - CUE	
PSYC 496	Honors Psychology Thesis - CUE, WR	

- Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- In addition to courses counted toward General Education
- May be incorporated into other degree requirements
- Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.
- Does not satisfy CUE requirement for the Neuroscience BS

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 101	Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
PSYC 201	Introduction to Psychology - SB	3
BIOL 240	Unity of Life - S	3
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
PSYC 305	Brain and Behavior	3
Hours		15
Year 2		
Fall		
BIOL 329	Cellular and Molecular Biology	3
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
PSYC 355	Neuroscience	3
General Education: Cardinal Core Oral Communication – OC		3
MATH 205	Calculus I - QR	4
Hours		17

Spring		
BIOL 465 or BE 354	Principles of Physiology or Anatomy and Physiology	3
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
PSYC 301 or BIOL 350	Statistics for Psychology or Biostatistics	3
General Education: Cardinal Core Arts & Humanities – AH ¹		3
Elective		3
Hours		16
Year 3		
Fall		
ASNB 502	Fundamentals of Neuroscience	3
PSYC 302	Research Methods for Psychology	3
PSYC 331	Sensation and Perception	3
PSYC 382	Cognitive Neuroscience	3
Foreign Language		3-4
Hours		15-16
Spring		
ASNB 517 or ASNB 566	Seminar on Developmental Neurobiology or Synaptic Organization of the Central Nervous System	3
Foreign Language		3-4
General Education: Cardinal Core Arts & Humanities – AH ¹		3
General Education: Cardinal Core Historical Perspective – SBH ¹		3
300+ Elective Elective in Humanities or Social Sciences		3
Hours		15-16
Year 4		
Fall		
PSYC 492	Undergraduate Psychology Research - CUE (or Psyc 495)	3
300+ WR Elective		3
300+ Elective Elective in Humanities or Social Sciences		3
300+ Elective		3
Elective		3
Hours		15
Spring		
300+ WR Elective (or Psyc 496)		3
300+ Elective		3
300+ Elective		3
Elective		4
Hours		13
Minimum Total Hours		121-123

¹ At least two of the courses selected to satisfy these General Education/Cardinal Core requirements must also satisfy Diversity requirements (at least once course/3 credits each of U.S./D1 and Global/D2 Diversity coursework).

Nursing (RN-BSN Online Program) (BSN)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Nursing

Unit: Nursing (<http://www.louisville.edu/nursing>)

Academic Plan Code(s): NUR_BSNUDO

This program is for students who are already licensed Registered Nurses.

Program Information

This program is completed entirely online (<http://louisville.edu/online/program-finder>).

The School of Nursing offers an RN-BSN online curriculum designed by nurses for nurses to reflect the evolving nature of health care. We are dedicated to your success and committed to helping you take the next step in your academic and career advancement. Recently ranked in the top ten RN-BSN online programs by AffordableCollegesOnline (<http://louisville.edu/nursing/news/uofl-online-nursing-program-ranked-among-nation2019s-best>), our program provides a flexible, cost-effective opportunity for registered nurses with an associate's degree or a nursing diploma to earn a Bachelor of Science in Nursing in as little as 16 months.

Prospective students interested in a first-degree BSN program or individuals with a bachelor's degree in another discipline who are interested in pursuing a degree in Nursing should refer to the Pre-Licensure Nursing (p. 359) program or the Master's Entry into Professional Nursing (<http://catalog.louisville.edu/graduate/programs-study/master-science-nursing>) program, respectively.

RN-BSN students must present official transcripts of coursework completed from all universities and schools attended.

This program is completed entirely online (<http://louisville.edu/online/programs/bachelors/rn-to-bachelor-of-science-in-nursing>).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	Ten (10) hours of General Education requirements may be satisfied through coursework required by the degree program.	
	College/School Requirements ¹	29

Program/Major Requirements	61
Minimum Total Hours	121

¹ Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

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Departmental Admission Requirements

The RN-BSN 100% online program is offered by the University of Louisville's School of Nursing for registered nurses who have an associate degree in nursing (ADN) or a nursing diploma. Students are required to have a minimum undergraduate cumulative grade point average of 2.5 and an RN license without restrictions.

For more information on program requirements and how to apply, please visit the online programs website (<http://louisville.edu/online/programs/bachelors/rn-to-bachelor-of-science-in-nursing/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and fulfill the respective General Education Requirement:

BIOL 257	Introduction to Microbiology - S	
BIOL 258	Introduction to Microbiology Laboratory - SL	
MATH 109	Elementary Statistics - QR	
NURS 388	Global Health: Disparities and Social Determinants - D2, SB	
Minimum Total Hours		31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Nursing Pre-Professional Courses		
BIOL 257	Introduction to Microbiology - S	3
BIOL 258	Introduction to Microbiology Laboratory - SL	1
BIOL 260	Human Anatomy & Physiology I	3
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1
MATH 109	Elementary Statistics - QR	3
Free Electives ²		varies
Minimum Total Hours		29

Note: Students must have a minimum total of 60 credit hours from the pre-professional curriculum (including General Education).

Program/Major Core

Code	Title	Hours
Online Nursing Courses		
NURS 355	Portfolio Equivalency	30
NURS 381	Foundations for Evidenced-Based Professional Nursing	3
NURS 382	Nursing Research for Evidence-Based Practice	3
NURS 383	Case Management of Individuals and Families	3
NURS 385	Nursing Leadership and Health Policy	4
NURS 387	Pathophysiology and Pharmacotherapeutics for RNs	4
NURS 388	Global Health: Disparities and Social Determinants - D2, SB	3
NURS 470	Community Health Nursing	4
NURS 482	Health Promotion for Individuals, Families, and Communities	3
NURS 488	Leadership Project	2
NURS 476	Community Leadership Practicum - CUE ³	2
Minimum Total Hours		61

At least 30 of the last 36 credit hours must be completed at the University of Louisville.

All RN-BSN nursing courses are taught online.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation Requirement)		
Requirement fulfilled by completing:		
NURS 476	Community Leadership Practicum - CUE	

- ¹ Some courses required in this degree program satisfy multiple requirements. To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program.
- ² To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements (or decrease the listed electives).
- ³ NURS 473 through fall 2018

Nursing, Pre-Licensure Program (BSN)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Nursing

Unit: Nursing (<http://www.louisville.edu/nursing>)

Academic Plan Code(s): NU_BSN, NURSBSN

Program Information

The Traditional Bachelor of Science in Nursing program is a four year program that consists of four semesters of lower division course work and four semesters of upper division course work that prepares students for a career in professional nursing by providing a dynamic course of study that is both theoretical and practical. As citizens of a larger community, our focus is to address the complex health care needs of diverse and dynamic populations through nursing education, research, scholarship and service. Our students graduate prepared to demonstrate excellence in nursing science, practice and leadership in a variety of settings for the benefit of clients across the lifespan and to meet the evolving health care needs of society. Our BSN program also provides the necessary foundation for masters and doctoral degrees in nursing.

Students have access to innovative Patient Simulation and Standardized Patient Centers. Faculty have the highest qualifications and conduct research in their areas of specialization.

By including a core of knowledge in the humanities and the behavioral, physical, and biological sciences, as well as theory and practice of professional nursing graduates of the BSN program will be prepared to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
At least 10 hours of General Education requirements may be satisfied through coursework required by the degree program		
	College/School Requirements ^{1,2}	33-34
	Program/Major Requirements	59
	Minimum Total Hours	120-121

¹ To complete the degree in the **minimum number of hours** listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

² NURS 101 is only required for new students with less than 24 earned college credits.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students are admitted directly into the Lower Division of the Nursing Program.

Please refer to the catalog pages containing the admissions details for the School of Nursing (p. 33).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and should be taken to fulfill the respective General Education Requirement:

CHEM 105	Chemistry for Health Professionals - S or CHEM 201 General Chemistry I - S	
BIOL 257	Introduction to Microbiology - S ²	
BIOL 258	Introduction to Microbiology Laboratory - SL	
MATH 109	Elementary Statistics - QR	
Minimum Total Hours		31

All degrees require the completion of the University-wide General Education Program (link provided above). Completion of the BSN degree in the minimum number of hours requires using some credit hours from courses included in the school and/or program requirements to satisfy General Education requirements. Additional General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Nursing Pre-Professional Curriculum		
NURS 101	S.T.A.T. for Nursing Students (Success Tips And Techniques) (not required for transfer students with 24+ hours)	0-1
BIOL 257	Introduction to Microbiology - S	3
BIOL 258	Introduction to Microbiology Laboratory - SL	1
BIOL 260	Human Anatomy & Physiology I ²	3
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1
CHEM 105	Chemistry for Health Professionals - S	3-4
or CHEM 201	General Chemistry I - S	
PSYC 306	Life Span Developmental Psychology	3
Select one of the following:		3

PHIL 207	Introduction to Philosophy through Cultural Diversity - AH, D2	
PHIL 211	Critical Thinking - AH	
PHIL 222	Contemporary Moral Problems - AH	
PHIL 323	Medical Ethics	
HSS 303	Human Nutrition	3
or PHEH 331	Food Composition and Public Health - S	
NURS 338	Lifespan Pathophysiology	4
NURS 395	Nursing Pharmacotherapeutics	3
MATH 109	Elementary Statistics - QR	3
MATH 111	College Algebra - QR ³	see note
Electives		as needed
Minimum Total Hours		33-34

Program/Major Requirements

Code	Title	Hours
Nursing Professional Curriculum		
<i>Junior Level</i>		
NURS 344	Community Health Nursing	4
NURS 345	Foundations of Professional Nursing Practice	4
NURS 346	Management of Care of the Adult Health Client I	5
NURS 347	Health Assessment	3
NURS 356	Management of Care of the Adult Health Client II	7
NURS 357	Maternal-Newborn Nursing	4
NURS 358	Nursing Research for Evidence-Based Practice	2
<i>Senior Level</i>		
NURS 481	Child Health Nursing	5
NURS 486	Management of Care of the Adult Health Client III	5
NURS 487	Psychiatric-Mental Health Nursing	5
NURS 491	Transition to Professional Nursing Practice	2
NURS 493	Nursing Leadership and Management	2
NURS 494	Capstone in Professional Nursing Practicum - CUE	7
Select one of the following:		4
NURS 492	Global Public Health	
NURS 500	Variables Impacting Health Care Delivery: A Global Context ⁴	
Minimum Total Hours		59

Code	Title	Hours
Minimum Total Hours, Degree Program ¹		
		120-121

Code	Title	Hours
Concluding Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
NURS 494	Capstone in Professional Nursing Practicum - CUE	

¹ Completion of the degree in the minimum number of hours requires using some credit hours from courses included in the school and/or program requirements to satisfy General Education requirements. Students using other coursework will require additional hours to complete the degree or will reduce the number of available electives.

- ² BIOL 102 is a prerequisite for BIOL 260, BIOL 261, BIOL 262. BIOL 102 is not required if students have satisfactorily completed BIOL 260, BIOL 257, or any other Biology course at the 200 level or above.
- ³ Nursing math competency requirement. This requirement may alternatively be met with a minimum Math ACT sub-score of 25 or an approved higher level mathematics course; however, additional elective course work may be required to meet the 120 minimum credit hour degree requirement.
- ⁴ Clinical hours will be met with a one-credit hour Special Topics Course

Flight Plan

Flight Plan With Summer Courses

Course	Title	Hours
Year 1		
Fall		
BIOL 102	Biology: Current Issues and Applications - S	3
CHEM 105	Chemistry for Health Professionals - S	4
NURS 101	S.T.A.T. for Nursing Students (Success Tips And Techniques)	1
ENGL 101	Introduction to College Writing - WC	3
MATH 111	College Algebra - QR	3
Hours		14
Spring		
BIOL 260	Human Anatomy & Physiology I	3
ENGL 102	Intermediate College Writing - WC	3
MATH 109	Elementary Statistics - QR	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity - SBHD1		3
Hours		15
Year 2		
Fall		
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1
PSYC 201	Introduction to Psychology - SB	3
HSS 303	Human Nutrition	3
or PHEH 331	or Food Composition and Public Health - S	
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		13
Spring		
BIOL 257	Introduction to Microbiology - S	3
BIOL 258	Introduction to Microbiology Laboratory - SL	1
PSYC 306	Life Span Developmental Psychology	3
PHIL Ethics Elective ¹		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		13
Summer		
NURS 338	Lifespan Pathophysiology	4
NURS 395	Nursing Pharmacotherapeutics	3
Hours		7
Year 3		
Fall		
NURS 344	Community Health Nursing	4
NURS 345	Foundations of Professional Nursing Practice	4
NURS 346	Management of Care of the Adult Health Client I	5
NURS 347	Health Assessment	3
Hours		16
Spring		
NURS 356	Management of Care of the Adult Health Client II	7

NURS 357	Maternal-Newborn Nursing	4
NURS 358	Nursing Research for Evidence-Based Practice	2
Hours		13
Year 4		
Fall		
NURS 481	Child Health Nursing	5
NURS 486	Management of Care of the Adult Health Client III	5
NURS 487	Psychiatric-Mental Health Nursing	5
Hours		15
Spring		
NURS 491	Transition to Professional Nursing Practice	2
NURS 492	Global Public Health	4
NURS 493	Nursing Leadership and Management	2
NURS 494	Capstone in Professional Nursing Practicum - CUE (CUE)	7
Hours		15
Minimum Total Hours		121

Flight Plan Without Summer Courses

Course	Title	Hours
Year 1		
Fall		
BIOL 102	Biology: Current Issues and Applications - S	3
CHEM 105	Chemistry for Health Professionals - S	4
NURS 101	S.T.A.T. for Nursing Students (Success Tips And Techniques)	1
ENGL 101	Introduction to College Writing - WC	3
MATH 111	College Algebra - QR	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		17
Spring		
BIOL 260	Human Anatomy & Physiology I	3
ENGL 102	Intermediate College Writing - WC	3
BIOL 257	Introduction to Microbiology - S	3
BIOL 258	Introduction to Microbiology Laboratory - SL	1
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity - SBHD1		3
Hours		16
Year 2		
Fall		
BIOL 261	Human Anatomy & Physiology II	3
BIOL 262	Human Anatomy & Physiology Lab	1
PSYC 201	Introduction to Psychology - SB	3
HSS 303 or PHEH 331	Human Nutrition or Food Composition and Public Health - S	3
MATH 109	Elementary Statistics - QR	3
Hours		13
Spring		
NURS 338	Lifespan Pathophysiology	4
NURS 395	Nursing Pharmacotherapeutics	3
PSYC 306	Life Span Developmental Psychology	3
PHIL Ethics Elective ¹		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		16
Year 3		
Fall		
NURS 344	Community Health Nursing	4
NURS 345	Foundations of Professional Nursing Practice	4
NURS 346	Management of Care of the Adult Health Client I	5
NURS 347	Health Assessment	3
Hours		16

Spring		
NURS 356	Management of Care of the Adult Health Client II	7
NURS 357	Maternal-Newborn Nursing	4
NURS 358	Nursing Research for Evidence-Based Practice	2
Hours		13
Year 4		
Fall		
NURS 481	Child Health Nursing	5
NURS 486	Management of Care of the Adult Health Client III	5
NURS 487	Psychiatric-Mental Health Nursing	5
Hours		15
Spring		
NURS 491	Transition to Professional Nursing Practice	2
NURS 492	Global Public Health	4
NURS 493	Nursing Leadership and Management	2
NURS 494	Capstone in Professional Nursing Practicum - CUE (CUE)	7
Hours		15
Minimum Total Hours		121

¹ Select one of the following: PHIL 207; PHIL 211; PHIL 222; or PHIL 323.

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Organizational Leadership and Learning (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Organizational Leadership and Learning

Unit: College of Education and Human Development (<http://louisville.edu/education>)

Department: Educational Leadership, Evaluation and Organizational Development (<http://louisville.edu/education/departments/eleod>)

Academic Plan Code(s): See Track Requirements tab.

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Bachelor of Science in Organizational Leadership and Learning (OLL), formerly Workforce Leadership, is designed for working professionals who have at least five years of work experience. It is a great option for adults seeking an extra edge in today's job market. If you are ready to finish your degree, we can help do it while you enhance your skills in leading people and organizations or plan for a new career.

Classes are offered online, or in convenient off-campus locations, Monday through Thursday evenings in Louisville and at Fort Knox.

UofL also offers a BS in Organizational Leadership and Learning in Healthcare Leadership (p. 364) program.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
	College/School Requirements	0
	Program/Major Requirements	74-77
	Track Requirements	12-15
	Minimum Total Hours	120

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students are required to have at least five years of work experience and have a 2.0 GPA or higher for admission to the BS in Organizational Leadership and Learning.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

Program/Major Requirements

Code	Title	Hours
Organizational Leadership and Learning Core		
LEAD 300 or ELFH 300	Prior Learning Assessment ¹	3
LEAD 311 or ELFH 311	Needs Assessment	3
LEAD 316 or ELFH 316	Instructional Strategies and Group Facilitation Techniques	3
LEAD 341 or ELFH 341	Managing Projects in the Workplace	3
LEAD 411 or ELFH 411	Human Resource Fundamentals	3
LEAD 442 or ELFH 442	Supporting Organizational Change	3
LEAD 540 or ELFH 540	Program Exit Experience - CUE ²	3-8
LEAD 578 or ELFH 578	Workplace and Information Ethics	3
Track Requirements (see tab for specific course requirements) ³		12-15
Minimum Total Hours		36-44

Work Specialization & Electives

Code	Title	Hours
Work Specialization ^{4,5}		varies
LEAD 290 or ELFH 290	Occupational Courses	2-42
LEAD 291 or ELFH 291	Occupational Learning	2-45
LEAD 390 or ELFH 390	Advanced Occupational Courses	2-18
LEAD 391 or ELFH 391	Advanced Occupational Learning	2-18
Electives ⁴		0-44
Minimum Total Hours		48-53

Code Title Hours
Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:
LEAD 540 Program Exit Experience - CUE
or ELFH 540

- 1 Complete within first year
- 2 Applications for LEAD 540/ELFH 540 must be submitted by mid-term week of the semester prior to enrollment. All other core classes and at least one-half of the track courses must be completed prior to enrollment.
- 3 Students may select the following tracks with this core: Leadership, Training and Organizational Development or Career and Technical Education. Tracks suspended to further enrollment include Training and Development and Leadership and Organizational Development.
- 4 A minimum of 9 hours of Work Specialization/Prior Learning Assessment (PLA) credit is required, however, students may earn a maximum of 48 hours for the track in Leadership, Training and Organizational Development, 45 hours for the Career and Technical Education track, and 48 hours for the Training and Development and Leadership and Organizational Development tracks, based on their prior work experience. Depending on available PLA and track, students may need elective coursework to reach the minimum 120 hours required for the degree.
- 5 Requirements for posting the Work Specialization credits: prior extensive documented work learning; completion of an additional 12 hours in the major core courses with a B or better grade point average.

Track Requirements

Track in Career and Technical Education

Academic Plan Code(s): WFL_BS_CTE, WFL_BS_CTO

Code	Title	Hours
EDTP 420	Reading and Writing Across the Curriculum	3
LEAD 312 or ELFH 312	Designing Learning	3
LEAD 332 or ELFH 332	Measuring and Evaluating Effectiveness	3
LEAD 510 or ELFH 510	Teaching Career and Technical Education	3
Select one of the following:		3
ECPY 507	Learning Theory and Human Growth and Development	
EDSP 540	Introduction to Exceptional Children	
EDSP 545	Exceptional Children in the Regular Classroom	
Minimum Total Hours		15

Applicants must have completed requirements for a professional license. This program is designed for Kentucky certified teachers in Career and Technical Education to earn their Rank 1 certification.

Mid-Point Assessment: Completion of 32 credit hours in the Career and Technical courses with an average GPA of 2.5 and a letter grade of C or better.

Track in Leadership, Training and Organizational Development (LTOD)

Academic Plan Code(s): WFL_BS_LTD, WFL_BS_LTO

Code	Title	Hours
Choose 12 credit hours from the list below:		12
LEAD 312 or ELFH 312	Designing Learning	3
LEAD 314 or ELFH 314	Diversity in the Workplace - D1, SB	3
LEAD 332 or ELFH 332	Measuring and Evaluating Effectiveness	3
LEAD 412 or ELFH 412	Coaching and Talent Development	3
LEAD 420 or ELFH 420	Conflict Management in the Workplace	3
LEAD 460 or ELFH 460	Adult Learning and Diversity	3
LEAD 490 or ELFH 490	Leadership and Management	3
LEAD 575 or ELFH 575	Instructional Technology	3
Minimum Total Hours		36

Mid-point Assessment: Program Competency Self-Assessment and a Hallmark Assessment from ELFH 341.

A minimum of 120 hours with an overall GPA of 2.25 is required for completion, with a 2.5 GPA required in the major courses. All major course grades must be a C or better. Thirty-one hours of general education credit are required. A minimum of 50 hours of credit at the 300 level or above are required, along with satisfactory completion of the Program Portfolio.

Tracks Suspended to Further Enrollment

The following tracks have been suspended to further enrollment, effective Spring 2018, and reorganized into a consolidated Leadership, Training, and Organizational Development/LTOD track (details above).

Track in Training and Development

Suspended to further enrollment.

Code	Title	Hours
LEAD 312 or ELFH 312	Designing Learning	3
LEAD 332 or ELFH 332	Measuring and Evaluating Effectiveness	3
LEAD 460 or ELFH 460	Adult Learning and Diversity	3
LEAD 575 or ELFH 575	Instructional Technology	3
Minimum Total Hours		12

Track in Leadership and Organizational Development

Suspended to further enrollment.

Code	Title	Hours
LEAD 314 or ELFH 314	Diversity in the Workplace - D1, SB	3
LEAD 412 or ELFH 412	Coaching and Talent Development	3
LEAD 420 or ELFH 420	Conflict Management in the Workplace	3
LEAD 490 or ELFH 490	Leadership and Management	3
Minimum Total Hours		12

Organizational Leadership and Learning, Healthcare Leadership (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Organizational Leadership and Learning, track in Healthcare Leadership

Unit: College of Education and Human Development (<http://louisville.edu/education>)

Department: Educational Leadership, Evaluation and Organizational Development (<http://louisville.edu/education/departments/eleod>)

Academic Plan Code(s): WFL_BS_HLT, WFL_BS_HLO

Program Information

This program can be completed entirely online (<http://louisville.edu/online/program-finder>).

The Bachelor of Science in Organizational Leadership and Learning with a focus on Healthcare Leadership allows healthcare professionals to capitalize on existing knowledge and experience, and earn a bachelor's degree that can further enhance your skills in leadership, organizational change, workplace development and performance and attain higher-level positions in your organization.

UofL's OnTrack program is the first of its kind in the state and region, with a curriculum based on the National Center for Healthcare Leadership's (NCHL.org) competency model, which is one of the leading industry standard models for healthcare executive competencies development.

This program is essential for individuals who have acquired experience in the healthcare field, but are missing the proper credentials for promotions within their organization, increased pay, or management and leadership roles.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)		31
College/School Requirements		0
Program/Major Requirements		77

Track Requirements	12
Minimum Total Hours	120

Specific coursework information can be found on the Degree Requirements tab.

The program is offered in two distinct enrollment pathways: Flex Option and Term Option.

Flex Option: This is the current pathway for students wishing to pursue the Competency-Based Education model (CBE). In Flex Option, students have 32 weeks to move through the program materials at their own pace. Many students value this level of flexibility. This path places the responsibility on the student to set and maintain their own pace to finish the materials on time. Students may enroll in additional CBE courses as soon as previously enrolled courses are completed to expedite program completion. Financial Aid is dependent on timely completion.

Students may start the program on the first Tuesday of every month (except December). Students in this program will register for all major and track courses with their assigned Success Coach. All tuition and fees for CBE courses are non-refundable when a student begins a CBE course.

The CBE course term begins with enrollment and the onset of academic activity. Flex Option/CBE courses are student self-paced, but students must complete enrolled CBE courses within 32 weeks. A student cannot withdraw from a CBE course once started.

Term Option: In this pathway, students enroll in 8-week courses and complete each course within a predetermined time frame. This option is for students who wish to follow a more structured and traditional university schedule while taking advantage of accelerated sessions. Two sessions will be available in Fall and Spring and one session will be available in Summer.

Students may start the program at the beginning of the Fall, Spring, or Summer terms and enroll in Term-Option, 8-week session courses. All coursework in the Term-Option Pathway must be completed within the 8-week session period. Tuition and fees in Term-Option enrollments may be refunded in accordance with normal university policies.

Additional Information: For more information on the Healthcare Leadership program, please go to louisville.edu/online/programs/competency-based-degree-programs/healthcare-leadership-cbe

UofL also offers non-CBE BS programs in Organizational Leadership and Learning (p. 362) with tracks in Career and Technical Education and Leadership, Training and Organizational Development (LTOD).

Departmental Admission Requirements

Applicants to the BS in Organizational Leadership and Learning with a track in Healthcare Leadership must have a 2.7 cumulative GPA in college level courses and at least 2,000 hours (approximately one year) of healthcare experience across a wide variety of organizational settings.

Additionally, applicants are recommended to have at least 24 hours of transferable credit.

Applicants who have a cumulative GPA below 2.7 or less than 2,000 hours of healthcare experience, may petition the College of Education and Human Development for consideration of admission.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)		31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

Program/Major Requirements

Code	Title	Hours
Healthcare Leadership Core		
LEAD 307 or ELFH 307	Prior Learning Assessment for Healthcare Leaders	3
LEAD 308 or ELFH 308	Needs Assessment in Healthcare Organizations	3
LEAD 309 or ELFH 309	Managing Projects in Healthcare Organizations	3
LEAD 410 or ELFH 410	Fundamentals of Healthcare Human Resource Management	3
LEAD 413 or ELFH 413	Management of Diversity in Healthcare Organizations	3
LEAD 415 or ELFH 415	Organizational Change in Healthcare	3
LEAD 416 or ELFH 416	Principles of Healthcare Leadership and Management	3
LEAD 450 or ELFH 450	Healthcare Leadership - CUE	3
Track Requirements ¹		
LEAD 430 or ELFH 430	Healthcare Finance and Accounting	3
LEAD 431 or ELFH 431	Healthcare Information Management	3
LEAD 432 or ELFH 432	Healthcare Quality Evaluation	3
LEAD 433 or ELFH 433	Healthcare Law and Ethics	3
Minimum Total Hours		36

Work Specialization & Electives

Code	Title	Hours
Work Specialization ²		
LEAD 290	Occupational Courses	2-42
LEAD 291	Occupational Learning	2-48
LEAD 390	Advanced Occupational Courses	2-18
LEAD 391	Advanced Occupational Learning	2-18

Electives	5-44
Minimum Total Hours	53

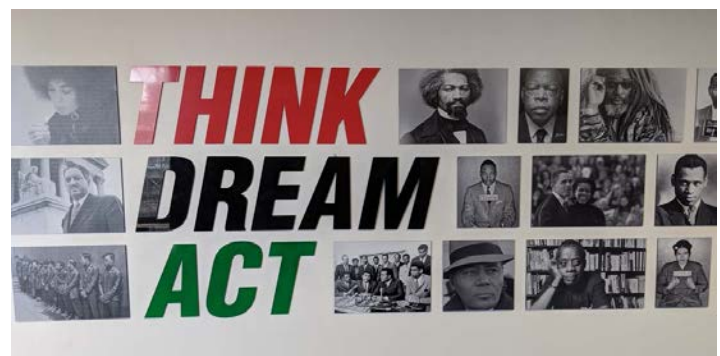
Students must demonstrate competency at the B+ level or higher to successfully complete a program course. If a student does not achieve a B+ or higher in a program course before the end of the term, then the student will receive the highest grade earned during the course, or F if the student fails to submit required deliverables.

Only one repetition of a program course is permitted. If a student does not earn a B+ or higher in the repeated course, then the student will be dropped from the program.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		

- | | | |
|----------|-----------------------------|-------------|
| LEAD 450 | Healthcare Leadership - CUE | or ELFH 450 |
|----------|-----------------------------|-------------|
- Students must select the following track with this core: Healthcare Leadership.
 - A minimum of 9 hours of Work Specialization/Prior Learning Assessment credit is required, however, students may earn up to 48 hours of credit based on their prior work experience. Requirements for posting the Work Specialization credits: 1) prior extensive documented work learning and 2) completion of an additional 12 hours in the Major Core Courses with a B+ (3.3) or better grade point average.

Pan-African Studies (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Pan-African Studies

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
 Department: Pan-African Studies (<http://louisville.edu/panafricanstudies>)
 Academic Plan Code(s): PAS_BA

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Program Information

The Department of Pan-African Studies (PAS) has developed a Bachelor of Arts and a Bachelor of Science degree. This provides an opportunity

for structured undergraduate study in the multi-disciplinary field of Pan-African Studies. Students also have the choice of earning a minor in Pan-African Studies as well.

PAS majors have career options quite similar to those of students with baccalaureate degrees in the humanities and social sciences and a PAS minor often enhances the employability of students who major in other fields.

Increasingly, PAS majors are also finding career opportunities specific to the discipline itself. Such opportunities are most common in social, cultural and educational agencies/organizations, and in business and international affairs initiatives that concern people of color. Other PAS graduates choose to pursue graduate degrees.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]		31

The following courses are required by the program and can satisfy the respective General Education Requirement:

PAS 200	Introduction to Pan-African Studies - D1, SB
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^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Pan-African Studies		
<i>Pan-African Studies Core</i>		
PAS 200	Introduction to Pan-African Studies - D1, SB ⁴	3
Pan-African Studies: additional course at the 200 level		3
PAS 408	Research Methods in Pan-African Studies - WR ⁵	3
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
PAS 500 or PAS 586	Cooperative Internship in Pan-African Studies Field Research	3
Any 500-level Pan-African Studies course approved by the advisor		3
<i>Pan-African Studies Subfields (see lists of approved courses below)</i>		
Cultural Studies ⁶		6
Historical Studies ⁷		6
Social Studies ⁸		6
Supporting Courses		
Electives in Social Sciences or Humanites ⁹		15
Minimum Electives ¹⁰		17
Minimum Total Hours		68

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
PAS 409	Pan-African Studies Capstone Seminar - CUE	

Only 40 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Pan-African Studies Subfields

Cultural Studies
(courses can only be used in one area)

Code	Title	Hours
PAS 210	Introduction to Pan-African Literature - AH, D2	3
PAS 214	African-American Music - AH, D1	3
PAS 217	Introduction to Indigenous Religions of Africa, the Americas and the Pacific Basin	3
PAS 218	Survey of American Jazz - AH, D1	3
PAS 219	Survey of Brazilian Music	3
PAS 247	Language, Protest and Identity - D1, SB	3

PAS 272	Reggae Music & the Politics of Black Liberation - AH, D2	3
PAS 273	The Rhythm and Blues Revolution and American Culture - AH, D1	3
PAS 300	Humanities Special Topics in Pan-African Studies	3
PAS 308	Contemporary Trends in African-American Art - WR	3
PAS 310	African-American Art I: From West Africa to 1920s	3
PAS 311	African-American Art History II: From the 1920s to Present	3
PAS 315	Theatre of the African World - AH, D2	3
PAS 317	African-American Religion - AH, D1	3
PAS 330	Women in African-American Religion	3
PAS 340	African-American Literature - AH, D1	3
PAS 341	Black Film and Literature - AH, D1	3
PAS 342	Black Women Novelists - AH, D2, WR	3
PAS 346	African Languages in the Diaspora - D1, SB	3
PAS 348	Aesthetic in the Africana Community	3
PAS 349	African Americans and Islam	3
PAS 350	African-American Women in Theatre - AH, D1, WR	3
PAS 351	Survey of African Religion and Culture	3
PAS 353	Acting the Black Experience - AH, D1	3
PAS 355	Cultural Diversity in Performance - AH, D1	3
PAS 356	History of the African-American Theatre - AH, D1, WR	3
PAS 363	Civil Rights and the Law II	3
PAS 367	Black Dramatic Literature - AH, D1	3
PAS 369	Music and the Black Arts Movement	3
PAS 370	Hip-Hop Culture and Its Impact	3
PAS 371	Music of the Global Black Revolt	3
PAS 372	Black Music and Identity in the 1960s	3
PAS 378	The African-American Experience	3
PAS 381	African Art: A Survey	3
PAS 390	Independent Study	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3
PAS 509	Advanced Contemporary Trends in African-American Art	3
PAS 510	Advanced Topics in Afro-American and African Studies	3
PAS 516	African-American Philosophy	3
PAS 521	Religions of the African Diaspora	3
PAS 530	The Life and Times of Malcolm X	3
PAS 546	African Languages in the Diaspora	3
PAS 547	Language, Race, Class and Gender	3
PAS 550	African Popular Culture	3
PAS 551	Studies in African-American Literature	3
PAS 557	African Philosophy	3
PAS 567	Post-Colonial Voices: Writing Experience in African Literature - WR	3
PAS 575	Genre Studies in African-American Literature	3
PAS 577	The Harlem Renaissance	3
PAS 578	The Music of the Black Church	3
PAS 581	Pan-African Art: Form and Content	3

Historical Studies

(courses can only be used in one area)

Code	Title	Hours
PAS 207	Introduction to Philosophy through Cultural Diversity - AH, D2	3
PAS 227	Survey of American Diversity - D1, SB	3
PAS 305	Legal Lynchings: A Survey of Race, Law, and the American Justice System	3
PAS 319	African-American History I - D1, SBH	3
PAS 320	African-American History II - D1, SBH	3
PAS 322	The History of the Civil Rights Movement, 1900 to Present	3
PAS 329	Slave Trade and Slavery	3
PAS 335	Survey of African-American Education - D1, SB	3
PAS 360	African Diaspora in the Caribbean and Latin America	3
PAS 374	The Black Power Movement	3
PAS 385	Women in Africa: Historical and Literary Perspective	3
PAS 390	Independent Study	3
PAS 393	African History Before 1800 - D2, SBH	3
PAS 394	African History Since 1800 - D2, SBH	3
PAS 395	Contemporary Africa	3
PAS 396	History of the Caribbean	3
PAS 412	The Underground Railroad and American Memory	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3
PAS 513	U.S. Social Justice Movements	3
PAS 514	History of Pan-African Social Thought	3
PAS 526	Black Heritage Preservation	3
PAS 529	Teacher Institute on African-American Issues	3
PAS 530	The Life and Times of Malcolm X	3
PAS 531	Survey of African-American History and Culture for Teachers	3
PAS 532	Slave Trade and Slavery in the African World	3
PAS 533	The History and Popular Culture of the African Diaspora	3
PAS 535	History of African Americans in Kentucky	3
PAS 539	Public History in African Diaspora	3
PAS 545	Southern Women: Black and White	3
PAS 548	Black Museums and Cultural Heritage	3
PAS 549	African Americans in Louisville, Kentucky	3
PAS 590	Studies in African History - WR	3

Social Studies

(courses can only be used in one area)

Code	Title	Hours
PAS 200	Introduction to Pan-African Studies - D1, SB	3
PAS 204	Introduction to African Studies	3
PAS 205	Race, Color and Consciousness - D1, SB	3
PAS 206	Introduction to Caribbean Studies - D2, SB	3
PAS 301	Social Sciences Special Topics in Pan-African Studies	3

PAS 305	Legal Lynchings: A Survey of Race, Law, and the American Justice System	3
PAS 310	African-American Art I: From West Africa to 1920s	3
PAS 312	African Americans in American Media	3
PAS 313	Urban Ritual Violence	3
PAS 314	Black Psychology	3
PAS 318	African-American Cultural Traditions	3
PAS 319	African-American History I - D1, SBH	3
PAS 320	African-American History II - D1, SBH	3
PAS 322	The History of the Civil Rights Movement, 1900 to Present	3
PAS 324	Politics, Political Violence and Black Resistance	3
PAS 325	Politics of Black Male Identity in Post-Modern America	3
PAS 326	Black Political Thought: Africa to Afrocentricity	3
PAS 327	Politics of the Black Community - D1, SB	3
PAS 329	Slave Trade and Slavery	3
PAS 331	Color Complex of Black Women	3
PAS 332	African-American Women - WR	3
PAS 333	Black Student Experience: Issues with Persistence & Inclusion in PWIs - D1, SB	3
PAS 335	Survey of African-American Education - D1, SB	3
PAS 338	Race and Economics	3
PAS 344	Black Lesbian Lives	3
PAS 345	Museums, Culture and Nationhood	3
PAS 361	Folklore of the African Diaspora	3
PAS 362	Civil Rights and the Law I	3
PAS 363	Civil Rights and the Law II	3
PAS 364	Racism and Sexism - D1, SB	3
PAS 366	Inequality and Health: The Black Experience	3
PAS 368	Race, Culture, Identity	3
PAS 383	Cultures of Africa - D2, SB	3
PAS 384	Disease, Ecology and Environmental Management in Africa - WR	3
PAS 386	Africa: Environment and Resources	3
PAS 390	Independent Study	3
PAS 392	Faces of Global Poverty - WR	3
PAS 407	Theoretical Perspectives in African-American and Diaspora Studies	3
PAS 408	Research Methods in Pan-African Studies - WR	3
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
PAS 410	Black Feminism in Action	3
PAS 412	The Underground Railroad and American Memory	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3
PAS 505	The Black Atlantic	3
PAS 513	U.S. Social Justice Movements	3
PAS 514	History of Pan-African Social Thought	3
PAS 520	The Black Family - WR	3
PAS 526	Black Heritage Preservation	3
PAS 529	Teacher Institute on African-American Issues	3
PAS 531	Survey of African-American History and Culture for Teachers	3

PAS 532	Slave Trade and Slavery in the African World	3
PAS 540	Pedagogy of African Studies	3
PAS 541	Cultural Heritage, Tourism, and Globalization	3
PAS 542	Black Women's Voices - WR	3
PAS 545	Southern Women: Black and White	3
PAS 566	Race and Gender in Psychological Research	3
PAS 590	Studies in African History - WR	3

- 1 Completion of the intermediate level of a single foreign language
- 2 In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- 3 May be incorporated into other degree requirements
- 4 Fulfills General Education requirement.
- 5 Fulfills WR requirement.
- 6 Pan-African Studies courses focusing on art, music, literature, philosophy or religion
- 7 Pan-African Studies courses focusing on African American, African and African Diaspora history
- 8 Pan-African Studies courses focusing on race, gender, family, health, psycho-social, geography, economics, education, or politics
- 9 Other than Department of Pan-African Studies, of which 6 hours must be at the 300 level or above
- 10 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 1		4
PAS 200	Introduction to Pan-African Studies - D1, SB	3
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 2		4
General Elective		3
Hours		16
Year 2		
Fall		
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Foreign Language 3		4
PAS Elective (200 level)		3
Hours		17
Spring		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Social Science Course		3
PAS Social Studies Course		3
PAS Historical Studies Course		3

General Elective		3
Hours		15
Year 3		
Fall		
PAS 408	Research Methods in Pan-African Studies - WR	3
PAS Cultural Studies Course		3
Humanities or Natural Science Elective (300 level or above)		3
Social Science Elective		3
General Elective		3
Hours		15
Spring		
Humanities or Natural Science Elective		3
Humanities or Natural Science Elective (300 level or above)		3
PAS 500	Cooperative Internship in Pan-African Studies	3-6
or PAS 586	or Field Research	
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
PAS Cultural Studies Course		3
Hours		15-18
Year 4		
Fall		
PAS Historical Studies Course		3
PAS Social Studies Course		3
Social Science or Humanities Elective		3
Social Science or Humanities WR Elective (300 level or above)		3
General Elective		3
Hours		15
Spring		
PAS Elective (500 level)		3
Social Science or Humanities Elective (300 level or above)		3
General Elective		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		122-125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

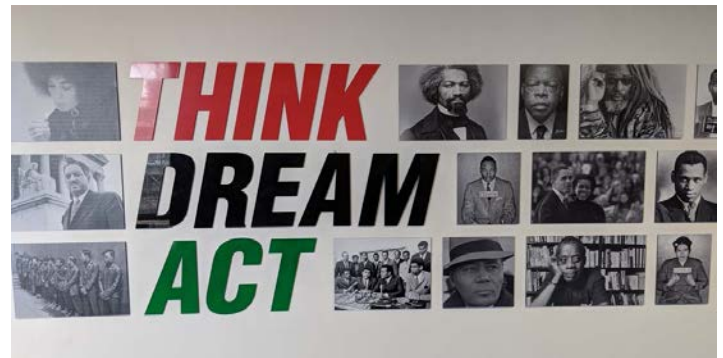
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Pan-African Studies (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Pan-African Studies

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)

Department: Pan-African Studies (<http://louisville.edu/panafricanstudies>)

Academic Plan Code(s): PAS_BA

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Program Information

The Department of Pan-African Studies (PAS) has developed a Bachelor of Arts and a Bachelor of Science degree. This provides an opportunity for structured undergraduate study in the multi-disciplinary field of Pan-African Studies. Students also have the choice of earning a minor in Pan-African Studies as well.

PAS majors have career options quite similar to those of students with baccalaureate degrees in the humanities and social sciences and a PAS minor often enhances the employability of students who major in other fields.

Increasingly, PAS majors are also finding career opportunities specific to the discipline itself. Such opportunities are most common in social, cultural and educational agencies/organizations, and in business and international affairs initiatives that concern people of color. Other PAS graduates choose to pursue graduate degrees.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	75-77
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

PAS 200	Introduction to Pan-African Studies - D1, SB
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*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Natural Sciences at the 300 level or above ²	6
	WR—two approved courses at the 300 level or above ³	
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Pan-African Studies		
<i>Pan-African Studies Core Courses</i>		
PAS 200	Introduction to Pan-African Studies - D1, SB ⁴	3
	Pan-African Studies: additional courses at the 200 level	3
PAS 408	Research Methods in Pan-African Studies - WR ⁵	3
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
PAS 500 or PAS 586	Cooperative Internship in Pan-African Studies Field Research	3
	Pan-African Studies elective courses (3 hours must be at the 500 level)	9
<i>Pan-African Studies Subfields (see course lists below)</i>		
	Cultural Studies ⁶	6
	Historical Studies ⁷	6
	Social Studies ⁸	6

Supporting Courses

Electives in Humanities or Social Sciences ⁹	18
Minimum Electives ¹⁰	15-17
Minimum Total Hours	75-77

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
PAS 409	Pan-African Studies Capstone Seminar - CUE	

Pan-African Studies Subfields

Cultural Studies

(courses can only be used in one area)

Code	Title	Hours
PAS 210	Introduction to Pan-African Literature - AH, D2	3
PAS 214	African-American Music - AH, D1	3
PAS 217	Introduction to Indigenous Religions of Africa, the Americas and the Pacific Basin	3
PAS 218	Survey of American Jazz - AH, D1	3
PAS 219	Survey of Brazilian Music	3
PAS 247	Language, Protest and Identity - D1, SB	3
PAS 272	Reggae Music & the Politics of Black Liberation - AH, D2	3
PAS 273	The Rhythm and Blues Revolution and American Culture - AH, D1	3
PAS 300	Humanities Special Topics in Pan-African Studies	3
PAS 308	Contemporary Trends in African-American Art - WR	3
PAS 310	African-American Art I: From West Africa to 1920s	3
PAS 311	African-American Art History II: From the 1920s to Present	3
PAS 315	Theatre of the African World - AH, D2	3
PAS 317	African-American Religion - AH, D1	3
PAS 330	Women in African-American Religion	3
PAS 340	African-American Literature - AH, D1	3
PAS 341	Black Film and Literature - AH, D1	3
PAS 342	Black Women Novelists - AH, D2, WR	3
PAS 346	African Languages in the Diaspora - D1, SB	3
PAS 348	Aesthetic in the Africana Community	3
PAS 349	African Americans and Islam	3
PAS 350	African-American Women in Theatre - AH, D1, WR	3
PAS 351	Survey of African Religion and Culture	3
PAS 353	Acting the Black Experience - AH, D1	3
PAS 355	Cultural Diversity in Performance - AH, D1	3
PAS 356	History of the African-American Theatre - AH, D1, WR	3
PAS 363	Civil Rights and the Law II	3
PAS 367	Black Dramatic Literature - AH, D1	3
PAS 369	Music and the Black Arts Movement	3

PAS 370	Hip-Hop Culture and Its Impact	3
PAS 371	Music of the Global Black Revolt	3
PAS 372	Black Music and Identity in the 1960s	3
PAS 378	The African-American Experience	3
PAS 381	African Art: A Survey	3
PAS 390	Independent Study	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3
PAS 509	Advanced Contemporary Trends in African-American Art	3
PAS 510	Advanced Topics in Afro-American and African Studies	3
PAS 516	African-American Philosophy	3
PAS 521	Religions of the African Diaspora	3
PAS 530	The Life and Times of Malcolm X	3
PAS 546	African Languages in the Diaspora	3
PAS 547	Language, Race, Class and Gender	3
PAS 550	African Popular Culture	3
PAS 551	Studies in African-American Literature	3
PAS 557	African Philosophy	3
PAS 567	Post-Colonial Voices: Writing Experience in African Literature - WR	3
PAS 575	Genre Studies in African-American Literature	3
PAS 577	The Harlem Renaissance	3
PAS 578	The Music of the Black Church	3
PAS 581	Pan-African Art: Form and Content	3

Historical Studies

(courses can only be used in one area)

Code	Title	Hours
PAS 207	Introduction to Philosophy through Cultural Diversity - AH, D2	3
PAS 227	Survey of American Diversity - D1, SB	3
PAS 305	Legal Lynchings: A Survey of Race, Law, and the American Justice System	3
PAS 319	African-American History I - D1, SBH	3
PAS 320	African-American History II - D1, SBH	3
PAS 322	The History of the Civil Rights Movement, 1900 to Present	3
PAS 329	Slave Trade and Slavery	3
PAS 335	Survey of African-American Education - D1, SB	3
PAS 360	African Diaspora in the Caribbean and Latin America	3
PAS 374	The Black Power Movement	3
PAS 385	Women in Africa: Historical and Literary Perspective	3
PAS 390	Independent Study	3
PAS 393	African History Before 1800 - D2, SBH	3
PAS 394	African History Since 1800 - D2, SBH	3
PAS 395	Contemporary Africa	3
PAS 396	History of the Caribbean	3
PAS 412	The Underground Railroad and American Memory	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3

PAS 513	U.S. Social Justice Movements	3
PAS 514	History of Pan-African Social Thought	3
PAS 526	Black Heritage Preservation	3
PAS 529	Teacher Institute on African-American Issues	3
PAS 530	The Life and Times of Malcolm X	3
PAS 531	Survey of African-American History and Culture for Teachers	3
PAS 532	Slave Trade and Slavery in the African World	3
PAS 533	The History and Popular Culture of the African Diaspora	3
PAS 535	History of African Americans in Kentucky	3
PAS 539	Public History in African Diaspora	3
PAS 545	Southern Women: Black and White	3
PAS 548	Black Museums and Cultural Heritage	3
PAS 549	African Americans in Louisville, Kentucky	3
PAS 590	Studies in African History - WR	3

Social Studies

(courses can only be used in one area)

Code	Title	Hours
PAS 200	Introduction to Pan-African Studies - D1, SB	3
PAS 204	Introduction to African Studies	3
PAS 205	Race, Color and Consciousness - D1, SB	3
PAS 206	Introduction to Caribbean Studies - D2, SB	3
PAS 301	Social Sciences Special Topics in Pan-African Studies	3
PAS 305	Legal Lynchings: A Survey of Race, Law, and the American Justice System	3
PAS 310	African-American Art I: From West Africa to 1920s	3
PAS 312	African Americans in American Media	3
PAS 313	Urban Ritual Violence	3
PAS 314	Black Psychology	3
PAS 318	African-American Cultural Traditions	3
PAS 319	African-American History I - D1, SBH	3
PAS 320	African-American History II - D1, SBH	3
PAS 322	The History of the Civil Rights Movement, 1900 to Present	3
PAS 324	Politics, Political Violence and Black Resistance	3
PAS 325	Politics of Black Male Identity in Post-Modern America	3
PAS 326	Black Political Thought: Africa to Afrocentricity	3
PAS 327	Politics of the Black Community - D1, SB	3
PAS 329	Slave Trade and Slavery	3
PAS 331	Color Complex of Black Women	3
PAS 332	African-American Women - WR	3
PAS 333	Black Student Experience: Issues with Persistence & Inclusion in PWIs - D1, SB	3
PAS 335	Survey of African-American Education - D1, SB	3
PAS 338	Race and Economics	3
PAS 344	Black Lesbian Lives	3
PAS 345	Museums, Culture and Nationhood	3
PAS 361	Folklore of the African Diaspora	3
PAS 362	Civil Rights and the Law I	3

PAS 363	Civil Rights and the Law II	3
PAS 364	Racism and Sexism - D1, SB	3
PAS 366	Inequality and Health: The Black Experience	3
PAS 368	Race, Culture, Identity	3
PAS 383	Cultures of Africa - D2, SB	3
PAS 384	Disease, Ecology and Environmental Management in Africa - WR	3
PAS 386	Africa: Environment and Resources	3
PAS 390	Independent Study	3
PAS 392	Faces of Global Poverty - WR	3
PAS 407	Theoretical Perspectives in African-American and Diaspora Studies	3
PAS 408	Research Methods in Pan-African Studies - WR	3
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
PAS 410	Black Feminism in Action	3
PAS 412	The Underground Railroad and American Memory	3
PAS 499	Pan-African Studies Senior Honors Thesis - CUE, WR	3
PAS 505	The Black Atlantic	3
PAS 513	U.S. Social Justice Movements	3
PAS 514	History of Pan-African Social Thought	3
PAS 520	The Black Family - WR	3
PAS 526	Black Heritage Preservation	3
PAS 529	Teacher Institute on African-American Issues	3
PAS 531	Survey of African-American History and Culture for Teachers	3
PAS 532	Slave Trade and Slavery in the African World	3
PAS 540	Pedagogy of African Studies	3
PAS 541	Cultural Heritage, Tourism, and Globalization	3
PAS 542	Black Women's Voices - WR	3
PAS 545	Southern Women: Black and White	3
PAS 566	Race and Gender in Psychological Research	3
PAS 590	Studies in African History - WR	3

- 1 Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- 2 In addition to courses counted toward General Education
- 3 May be incorporated into other degree requirements
- 4 Fulfills General Education requirement.
- 5 Fulfills WR requirement.
- 6 Pan-African Studies courses focusing on art, music, literature, philosophy, or religion
- 7 Pan-African Studies courses focusing on African American, African, and African Diaspora history
- 8 Pan-African Studies courses focusing on race, gender, family, health, psycho-social, geography, economics, education, or politics
- 9 6 hours must be at the 300 level or above
- 10 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 1		4
PAS 200	Introduction to Pan-African Studies - D1, SB	3
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		4
PAS Historical Studies Course		3
Hours		16
Year 2		
Fall		
General Education: Cardinal Core Arts and Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Humanities or Social Science Elective		3
PAS Cultural Studies Course		3
Hours		16
Spring		
General Education: Cardinal Core Arts & Humanities - AH		3
Humanities or Social Science Elective		3
PAS Social Studies Course		3
PAS Historical Studies Course		3
General Elective		3
Hours		15
Year 3		
Fall		
General Elective		3
Humanities or Social Science Elective		3
PAS Cultural Studies Course		3
PAS Social Studies Course		3
PAS 408	Research Methods in Pan-African Studies - WR	3
Hours		15
Spring		
Humanities or Natural Science Elective		3
Humanities or Natural Science WR Elective (300 level or above)		3
PAS 500 or PAS 586	Cooperative Internship in Pan-African Studies or Field Research	3-6
PAS 409	Pan-African Studies Capstone Seminar - CUE	3
General Elective		3
Hours		15-18
Year 4		
Fall		
Humanities or Natural Science Course (300 level or above)		3
Humanities or Social Science Course		3
PAS Elective		3
PAS Elective		3
General Elective		3
Hours		15
Spring		
PAS Capstone Elective (500 level or above)		3
PAS Elective (200 level)		3

Humanities or Social Science Elective (300 level or above)	3
General Elective	3
General Elective	3
Hours	15
Minimum Total Hours	121-124

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Paralegal Studies (AA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Associate of Arts in Paralegal Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Political Science (<http://www.louisville.edu/a-s/polsci>)
Academic Plan Code(s): PRLSAA

The Associate of Arts Program in Paralegal Studies is not currently accepting applications for Admission.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

College/School Requirements	1
Program/Major Requirements ¹	31
Minimum Total Hours	63

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives may be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the program director (<http://louisville.edu/politicalscience/paralegal>). Completion of this degree also requires a 2.5 minimum cumulative grade point average and a minimum 2.75 grade point average on courses in Paralegal Studies.

The Paralegal Studies Program utilizes the university-wide policy regarding transfer credits for all courses. However, the program maintains the following policy for the transfer of legal specialty course credits from other institutions:

1. No more than 6 semester hours will be permitted to be transferred as paralegal specialty courses (either paralegal core or paralegal electives).
2. The courses must be taken in a traditional classroom setting (i.e. no online courses will be accepted).
3. The courses must apply to the established curricula of the Paralegal Studies Program.
4. Students are required to indicate whether the institution is ABA approved.
5. Students must provide a syllabus or similar comprehensive summary of the completed course.
6. Students must provide official transcripts.

It is the responsibility of the transferring student to request an evaluation of credits prior to course enrollment; to request an official transcript from the transferring institution; to submit the necessary materials, including copies of the appropriate catalog and/or syllabus describing courses previously taken, and to pursue the status of that evaluation upon enrollment. The student must have completed the admissions process before transfer credits are officially evaluated.

NOTE: Upon being accepted into the Paralegal Studies Program, students are required to take at least 10 semester hours of legal specialty courses in a traditional classroom setting.

Departmental Admission Requirements

The Associate of Arts Program in Paralegal Studies is not currently accepting applications for Admission.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

POLS 201 Introduction to American Government and Politics
- SB

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
WR—one approved course at the 300 level or above ¹		
Minimum Total Hours		1

Program/Major Requirements

Code	Title	Hours
Paralegal Studies Program		
PARA 101	Legal Systems and the Paralegal	3
PARA 102	Legal Research and Writing	3
PARA 203	Advanced Legal Research and Writing	3
PARA 399	Professional Ethics for Paralegals	1
POLS 201	Introduction to American Government and Politics - SB ²	3
PARA 390	Paralegal Internship ³	3
Select five of the following:		15
PARA 305	Family Law	
PARA 310	Torts for Paralegals	
PARA 320	Computers and the Law	
PARA 325	Litigation	
PARA 326	Criminal Litigation	
PARA 340	Business Associations and Transactions	
PARA 350	Wills, Estates and Trusts	
PARA 360	Consumer Law	
PARA 370	Real Estate Law for Paralegals	
PARA 391	Topics in Paralegal Studies	
Minimum Total Hours		31

Completion of this degree also requires a 2.5 minimum cumulative grade point average and a minimum 2.75 grade point average on courses in Paralegal Studies.

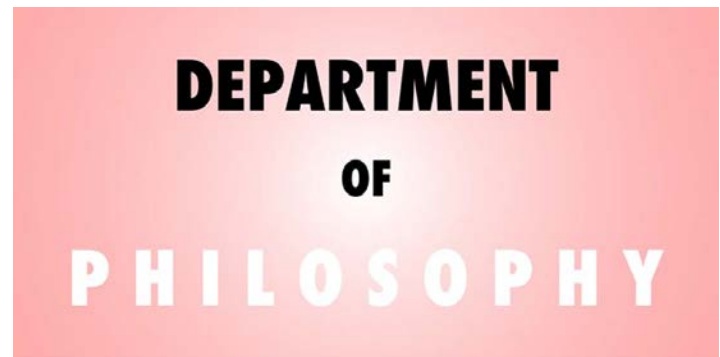
No more than 6 semester hours from another institution will be permitted to be transferred as paralegal specialty courses (either paralegal core or paralegal electives). Other conditions may apply to transfer credits (see Overview).

¹ May be incorporated into other degree requirements

² Fulfills General Education requirement

³ Required of students with no paralegal background

Philosophy (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Philosophy

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)

Department: Philosophy (<http://louisville.edu/philosophy>)

Academic Plan Code(s): See Track Requirements tab.

Program Information

The Department of Philosophy offers a wide range of introductory to graduate-level courses in the major subject areas and various traditions of philosophy, with particular strengths in applied ethics and social/political philosophy. The interdisciplinary scope of most of its courses is one of the Department's most salient features. The Department's faculty has achieved exceptional research productivity and outstandingly high student evaluations.

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)		31
College/School Requirements		22
Program/Major Requirements		22
Track Requirements		47
Minimum Total Hours		122

Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		12
Electives in Natural Sciences or Social Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Philosophy		
Core Coursework		
PHIL 300	Philosophy in Dialogue (Can be repeated for a total of 3 credit hours. Must be completed within one year of declaring the major.)	1
PHIL 301	Ancient Philosophy	3
PHIL 303	Modern Philosophy	3
PHIL 321	Ethics	3
PHIL 502	Philosophy Capstone Seminar - CUE	3
Logic		
Select one of the following:		3
PHIL 311	Introduction to Logic	
PHIL 412	Symbolic Logic	
PHIL 512	Advanced Symbolic Logic	
Metaphysics/Epistemology		
Select one of the following:		3
PHIL 341	Philosophy of Language - WR	
PHIL 356	Metaphysics - WR	
PHIL 357	Personal Identity and the Self	
PHIL 528	Philosophy of Mind	
PHIL 536	Philosophy of Science	
PHIL 537	Philosophy of the Social Sciences	
PHIL 540	Epistemology - WR	
PHIL 641	Recent Philosophy of Language	
Normative Philosophy		
Select one of the following:		3
PHIL 315	Asian Philosophy - AH, D2	
PHIL 318	Philosophy and Feminism - AH, D1	
PHIL 319	Philosophy of Race and Racism - AH, D1	
PHIL 516	African-American Philosophy	

PHIL 518	Feminist Philosophical Literature	
PHIL 519	Topics in Philosophy of Race and Racism	
PHIL 557	African Philosophy	
Track Requirements		47
Minimum Total Hours		69

A minimum of 9 credit hours in Philosophy (PHIL) must be at the 500-level

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		

Requirement fulfilled by completing:

PHIL 502	Philosophy Capstone Seminar - CUE	
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¹ Completion of the intermediate level of a single foreign language

² In addition to courses counted toward General Education; 6 hours must be at 300 level or above

³ May be incorporated into other degree requirements

Track Requirements

Track in Bioethics

Academic Plan Code(s): PHILBA_BIO

Code	Title	Hours
Track Requirements		
PHIL 323	Medical Ethics	3
PHIL 580	Foundations of Bioethics	3
Select two of the following:		6
PHIL 521	Ethical Theory - WR	
PHIL 581	Current Controversies in Health Care Ethics	
PHIL 582	Gender, Race, and Culture in Health Care	
PHIL 583	Health Care, Justice & Community	

Supporting Courses

Minimum Electives (see lists below) ¹		35
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To satisfy this requirement, students may either complete the University of Louisville School of Medicine's recommended pre-med science curriculum or they may take 35 hours of approved electives at the 300+ level.

Minimum Total Hours		47
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Pre-Med Science Curriculum

Students in the Pre-Med Science Curriculum (<http://louisville.edu/medicine/admissions/app-process/complete-prerequisites>) option must complete 38 credit hours, but BIOL 240, BIOL 242, CHEM 201, PHYS 221 or PHYS 222 can be used to satisfy a Cardinal Core Natural Sciences-S requirement, resulting in three (3) credit hours available to off-set the difference.

Code	Title	Hours
Biology		
BIOL 240	Unity of Life - S	3

BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
BIOL 329	Cellular and Molecular Biology	3
Chemistry		
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
Physics		
PHYS 221	Fundamentals of Physics I - S	3
PHYS 222	Fundamentals of Physics II - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
Minimum Total Hours		38

Approved Bioethics Track Electives

Code	Title	Hours
<i>Select at least 35 credit hours from the following:</i>		
ANTH 340	Human Rights	
ANTH 351	Medical Anthropology	
ECON 355	Health Economics	
PAS 366	Inequality and Health: The Black Experience	
PHIL 521	Ethical Theory - WR	
PHIL 581	Current Controversies in Health Care Ethics	
PHIL 582	Gender, Race, and Culture in Health Care	
PHIL 583	Health Care, Justice & Community	
SOC 342	Medical Sociology	
SOC 343/ WGST 312	Sociology of Women's Health	
SOC 410	Sociology of Aging - CUE	
SOC 415	Sociology of Death & Dying - CUE	
SOC 417	Reproductive Justice	
	or WGST 417 Reproductive Justice	
SOC 442	Sociology of Disabilities	
	or WGST 415 Sociology of Disabilities	
WGST 364	Women's Health Issues - D1, SB	
	or HSS 364 Women's Health Issues - D1, SB	
Appropriate Bioethics electives approved by the department		
Minimum Total Hours		35

Track in Humanities

Academic Plan Code(s): PHILBA_HUM

Code	Title	Hours
Track Requirements		
Select one of the following:		3
PHIL 306	Nineteenth-Century Philosophy	

PHIL 307	Twentieth-Century Philosophy	
Select one of the following:		3
PHIL 308	Social and Political Philosophy	
PHIL 328	Environmental Ethics	
PHIL 331	Philosophy of the Arts	
PHIL 350	Philosophy of Law	
PHIL 521	Ethical Theory - WR	
PHIL 531	Aesthetics	
PHIL 535	Political Philosophy	
PHIL 538	Critical Social Theory	
PHIL 581	Current Controversies in Health Care Ethics	
PPE 300	Introduction to Philosophy, Politics, and Economics - SB	
Supporting Courses		
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Electives in Humanities Division, other than Philosophy, at 300 level or above		9
Minimum Electives		29
Minimum Total Hours		47

Track in Social Sciences

Academic Plan Code(s): PHILBA_SSC

Code	Title	Hours
Track Requirements		
Select one of the following:		3
PHIL 306	Nineteenth-Century Philosophy	
PHIL 307	Twentieth-Century Philosophy	
Select one of the following:		3
PHIL 308	Social and Political Philosophy	
PHIL 328	Environmental Ethics	
PHIL 331	Philosophy of the Arts	
PHIL 350	Philosophy of Law	
PHIL 521	Ethical Theory - WR	
PHIL 531	Aesthetics	
PHIL 535	Political Philosophy	
PHIL 538	Critical Social Theory	
PHIL 581	Current Controversies in Health Care Ethics	
PPE 300	Introduction to Philosophy, Politics, and Economics - SB	
Supporting Courses		
Electives in Social Sciences Division at 300 level or above ^{2,3}		6
Electives in Social Sciences Division at 400 level or above ³		6
Minimum Electives		29
Minimum Total Hours		47

- ¹ Bioethics track students in the Pre-Med curriculum option must complete 38 credit hours, but BIOL 240, BIOL 242, CHEM 201, PHYS 221 or PHYS 222 can be used to satisfy a Cardinal Core Natural Sciences-S requirement, resulting in three (3) credit hours available to off-set the difference.
- ² It is strongly recommended that three hours be devoted to each of “theory” and “methods” as defined by a particular social science discipline. Student should seek advising with the departmental undergraduate adviser to determine appropriate courses.
- ³ In addition to courses counted for General Education or college programmatic requirements.

Flight Plan

Track in Bioethics, Pre-Med Science Curriculum Option

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective – SBH		3
Foreign Language 1		4
General Education: Cardinal Core Arts & Humanities – AH, chosen from the following:		3
PHIL 205	Introduction to Philosophy - AH	
PHIL 206	Introduction to Philosophy through Literature and Film - AH	
PHIL 211	Critical Thinking - AH	
PHIL 219	Sex and Values - AH, D1	
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 2		4
General Education: Cardinal Core Quantitative Reasoning – QR		4
General Education: Cardinal Core Arts & Humanities Global Diversity – AHD2 (other than PHIL)		3
General Education: Cardinal Core Oral Communication – OC		3
Hours		17
Year 2		
Fall		
PHIL 321	Ethics	3
BIOL 240 & BIOL 244	Unity of Life - S Principles of Biology Laboratory - SL	5
Foreign Language 3		4
General Education: Cardinal Core Social & Behavioral Sciences, U.S. Diversity – SBD1		3
Hours		15
Spring		
PHIL 323	Medical Ethics	3
BIOL 242	Diversity of Life - S	3
CHEM 201 & CHEM 207 & CHEM 208	General Chemistry I - S Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	5
PHYS 221 & PHYS 223	Fundamentals of Physics I - S Fundamentals of Physics Lab I - SL	4
Hours		15
Year 3		
Fall		
PHIL 300	Philosophy in Dialogue	1
PHIL 301	Ancient Philosophy	3

BIOL 329	Cellular and Molecular Biology	3
CHEM 202 & CHEM 209	General Chemistry II - S Introduction to Chemical Analysis III	4
PHYS 222 & PHYS 224	Fundamentals of Physics II - S Fundamentals of Physics Laboratory II - SL	4
Hours		15
Spring		
PHIL 303	Modern Philosophy	3
CHEM 341 & CHEM 343	Organic Chemistry I Organic Chemistry Laboratory I	5
One of the following:		3
PHIL 521	Ethical Theory - WR	
PHIL 581	Current Controversies in Health Care Ethics	
PHIL 582	Gender, Race, and Culture in Health Care	
PHIL 583	Health Care, Justice & Community	
Normative Philosophy course		3
Social or Natural Sciences elective (any level)		3
Hours		17
Year 4		
Fall		
PHIL 502	Philosophy Capstone Seminar - CUE	3
CHEM 342 & CHEM 344	Organic Chemistry II Organic Chemistry Laboratory II	5
PHIL 580	Foundations of Bioethics	3
Logic course		3
Hours		14
Spring		
Metaphysics/Epistemology course		3
Humanities WR elective (300-level or above)		3
One of the following:		3
PHIL 521	Ethical Theory - WR	
PHIL 581	Current Controversies in Health Care Ethics	
PHIL 582	Gender, Race, and Culture in Health Care	
PHIL 583	Health Care, Justice & Community	
Social or Natural Sciences elective (300-level or above)		3
Social or Natural Sciences elective (300-level or above)		3
Hours		15
Minimum Total Hours		122

Track in Bioethics, Bioethics Electives Option

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities – AH, chosen from the following:		3
PHIL 205	Introduction to Philosophy - AH	
PHIL 206	Introduction to Philosophy through Literature and Film - AH	
PHIL 211	Critical Thinking - AH	
PHIL 219	Sex and Values - AH, D1	
Foreign Language 1		4
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
Logic Course		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4

General Education: Cardinal Core Arts & Humanities Global Diversity (other than Philosophy) - AHD2	3
Foreign Language 2	4
Hours	16-17
Year 2	
Fall	
PHIL 321 Ethics	3
Bioethics Track Elective 1 ¹	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1	3
General Education: Cardinal Core Oral Communication - OC	3
Foreign Language 3	4
Hours	16
Spring	
PHIL 323 Medical Ethics	3
Normative Philosophy Course	3
Metaphysics/Epistemology Course	3
Natural or Social Science elective	3
General Education: Cardinal Core Natural Sciences - S	3
General Education: Cardinal Core Natural Sciences Lab - SL	1
Hours	16
Year 3	
Fall	
PHIL 301 Ancient Philosophy	3
Bioethics Track Elective 2 ¹	3
Bioethics Track Elective 3 ¹	3
Humanities WR elective (300-level or above; non-PHIL course)	3
General Education: Cardinal Core Natural Sciences - S	3
Hours	15
Spring	
PHIL 303 Modern Philosophy	3
Bioethics Track Elective 4 ¹	3
Bioethics Track Elective 5 ¹	3
Bioethics Track Elective 6 ¹	3
Humanities WR elective (300-level or above; non-PHIL course)	3
Hours	15
Year 4	
Fall	
PHIL 300 Philosophy in Dialogue	1
PHIL 502 Philosophy Capstone Seminar - CUE	3
PHIL 580 Foundations of Bioethics	3
Select one of the following:	3
PHIL 521 Ethical Theory - WR	
PHIL 582 Gender, Race, and Culture in Health Care	
PHIL 583 Health Care, Justice & Community	
Bioethics Track Elective 7 ¹	3
Bioethics Track Elective 8 ¹	2
Hours	15
Spring	
Select one of the following:	3
PHIL 521 Ethical Theory - WR	
PHIL 581 Current Controversies in Health Care Ethics	
PHIL 582 Gender, Race, and Culture in Health Care	
PHIL 583 Health Care, Justice & Community	
Bioethics Track Elective 9 ¹	3
Bioethics Track Elective 10 ¹	3
Bioethics Track Elective 11 ¹	3
Bioethics Track Elective 12 ¹	3
Hours	15
Minimum Total Hours	122-123

¹ To complete in the hours indicated, Bioethics Track Electives must be selected that will allow the student to also satisfy the Arts & Sciences requirement for hours outside of the division of the degree program.

Track in Humanities

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities – AH, chosen from the following:		3
PHIL 205	Introduction to Philosophy - AH	
PHIL 206	Introduction to Philosophy through Literature and Film - AH	
PHIL 211	Critical Thinking - AH	
PHIL 219	Sex and Values - AH, D1	
Foreign Language 1		4
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
Select one of the following:		3
PHIL 311	Introduction to Logic	
PHIL 412	Symbolic Logic	
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2 (non-PHIL course)		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 2		4
Hours		16-17
Year 2		
Fall		
PHIL 301	Ancient Philosophy	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Elective 1		3
Foreign Language 3		4
Hours		16
Spring		
PHIL 303	Modern Philosophy	3
PHIL 321	Ethics	3
PHIL 300	Philosophy in Dialogue	1
Humanities elective (300-level or above; non-PHIL course)		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Elective 2 (hours determined by QR course)		2-1
Hours		16-15
Year 3		
Fall		
Select one of the following:		3
PHIL 306	Nineteenth-Century Philosophy	
PHIL 307	Twentieth-Century Philosophy	
Metaphysics/Epistemology course		3
Humanities WR elective (300-level or above; non-PHIL course)		3
General Education: Cardinal Core Natural Sciences - S		3
General Elective 3		3
Hours		15

Spring		
Normative Philosophy course		3
Select one of the following:		3
PHIL 308	Social and Political Philosophy	
PHIL 328	Environmental Ethics	
PHIL 331	Philosophy of the Arts	
PHIL 350	Philosophy of Law	
PHIL 521	Ethical Theory - WR	
PHIL 531	Aesthetics	
PHIL 535	Political Philosophy	
PHIL 538	Critical Social Theory	
PHIL 581	Current Controversies in Health Care Ethics	
PPE 300	Introduction to Philosophy, Politics, and Economics - SB	
Social Science or Natural Science elective (300-level or above)		3
Social Science or Natural Science elective		3
General elective 4		3
Hours		15
Year 4		
Fall		
PHIL 502	Philosophy Capstone Seminar - CUE	3
Select one of the following:		3
HUM 591	Perspectives on Ancient Culture - WR	
HUM 592	Perspectives on Medieval Culture - WR	
HUM 593	Perspectives on Early Modern Culture - WR	
HUM 594	Perspectives on Modern Culture - WR	
HUM 595	Principles of Cultural History - WR	
HUM 596	Selected Perspectives in Humanities - WR	
Humanities elective (300-level or above; non-PHIL course)		3
Social Science or Natural Science elective (300 level or above)		3
General elective 5 (PHIL 499 recommended for honors students)		3
Hours		15
Spring		
Logic Course		3
General elective 6		3
General elective 7		3
General elective 8		3
General elective 9		3
Hours		15
Minimum Total Hours		122

Track in Social Sciences

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Arts & Humanities – AH, chosen from the following:		3
PHIL 205	Introduction to Philosophy - AH	
PHIL 206	Introduction to Philosophy through Literature and Film - AH	
PHIL 211	Critical Thinking - AH	
PHIL 219	Sex and Values - AH, D1	
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Foreign Language 1		4
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
Logic Course		3

General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2 (non-PHIL course)		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 2		4
Hours		16-17

Year 2		
Fall		
PHIL 301	Ancient Philosophy	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Oral Communication - OC		3
General Elective 1		3
Foreign Language 3		4
Hours		16

Spring		
PHIL 303	Modern Philosophy	3
PHIL 321	Ethics	3
PHIL 300	Philosophy in Dialogue	1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Social Science elective 1 (300-level or above)		3
General Elective 2 (hours determined by QR course)		1-2
Hours		16-15

Year 3		
Fall		
Select one of the following:		3
PHIL 306 or PHIL 307	Nineteenth-Century Philosophy or Twentieth-Century Philosophy	
PHIL 307	Twentieth-Century Philosophy	
Metaphysics/Epistemology course		3
General Education: Cardinal Core Natural Sciences - S		3
Social Science elective 2 (400-level or above)		3
General Elective 3		3
Hours		15

Spring		
Normative Philosophy course		3
Social Science or Natural Science elective		3
Social Science or Natural Science elective (300-level or above)		3
General Elective 4		3
General elective 5		3
Hours		15

Year 4		
Fall		
PHIL 502	Philosophy Capstone Seminar - CUE	3
Select one of the following: ¹		3
PHIL 308	Social and Political Philosophy	
PHIL 328	Environmental Ethics	
PHIL 331	Philosophy of the Arts	
PHIL 350	Philosophy of Law	
PHIL 531	Aesthetics	
PHIL 521	Ethical Theory - WR	
PHIL 535	Political Philosophy	
PHIL 538	Critical Social Theory	
PHIL 581	Current Controversies in Health Care Ethics	
PPE 300	Introduction to Philosophy, Politics, and Economics - SB	
Social Science elective 3 - WR (300-level or above)		3
Social Science or Natural Science elective (300-level or above)		3
General elective 6 (PHIL 499 recommended for honors students)		3
Hours		15

Spring		
Social Science elective 4 (400-level or above)		3

General elective 7 - WR	3
General elective 8	3
General elective 9 (Philosophy, 500-level or above) ¹	3
General elective 10 (Philosophy, 500-level or above) ¹	3
Hours	15
Minimum Total Hours	122

¹ Students who fulfill other requirements with 500-level PHIL courses may be able to complete General electives 8 and/or 9 as an open elective at any level.

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

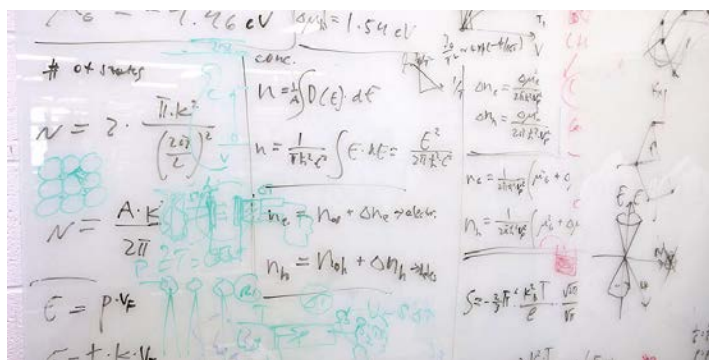
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Physics (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Physics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Physics and Astronomy (<http://www.physics.louisville.edu>)
Academic Plan Code(s): PHYSBA

Program Information

The Bachelor of Arts (BA) degree in Physics is designed for substantial pre-professional education for such fields as medicine, patent law, teaching, technical writing, and technical sales. Students preparing for secondary school science teaching may choose electives to help fulfill teaching certification requirements.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
The following courses are required by the program and can be taken to fulfill the respective General Education Requirement:		
CHEM 201	General Chemistry I - S	
	or BIOL 240 Unity of Life - S	
MATH 205	Calculus I - QR	
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 295	Introductory Laboratories I - SL	
Minimum Total Hours		31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1

or GEN 101 Arts and Sciences Orientation	
Foreign Language ²	12
Electives in Humanities or Social Sciences ³	9
WR—two approved courses at the 300 level or above ⁴	
Minimum Total Hours	22

Program/Major Requirements

Code	Title	Hours
Department of Physics		
PHYS 295	Introductory Laboratories I - SL	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 300	Introductory Modern Physics	3
PHYS 350	Differential Equations for the Physical Sciences	4
PHYS 460	Mechanics	3
PHYS 530	Thermal Physics	3
Select one of the following:		3
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	
PHYS electives at the 300 level or above		6
Supporting Courses		
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
CHEM 209	Introduction to Chemical Analysis III	1
BIOL 240	Unity of Life - S	5
& BIOL 244	Principles of Biology Laboratory - SL	
GEOS 301	Geology for Scientists and Engineers	3
Minimum Electives ¹		6
Minimum Total Hours		68

Code	Title	Hours
Minimum Hours Required for Degree		121

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	

PHYS 497	Senior Thesis in Physics - CUE, WR
PHYS 499	Cooperative Internship in Physics - CUE

- Ten credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.
- Completion of the intermediate level of a single foreign language.
- In addition to courses counted toward General Education, 6 hours must be at the 300 level or above.
- May be incorporated into other degree requirements.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
General Education: Cardinal Core Oral Communication - OC		3
Hours		16
Spring		
MATH 206	Calculus II	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
ENGL 102	Intermediate College Writing - WC	3
Hours		17
Year 2		
Fall		
MATH 301	Calculus III	4
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
Foreign Language 1		4
Hours		16
Spring		
BIOL 240	Unity of Life - S	3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective (300 level or above)		3
Foreign Language 2		4
Hours		16
Year 3		
Fall		
PHYS 350	Differential Equations for the Physical Sciences	4
Physics Elective (300 level or above)		3
Foreign Language 3		4
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Humanities or Social Science Elective (300 level or above)		3
BIOL 244	Principles of Biology Laboratory - SL	2
Hours		19

Spring		
GEOS 301	Geology for Scientists and Engineers	3
PHYS 460	Mechanics	3
Foreign Language 4 (if needed) or General Elective		3
Physics Elective (300 level or above)		3
Humanities or Social Science WR elective (300 level or above)		3
Hours		15
Year 4		
Fall		
PHYS 541	Electromagnetic Fields	3
Select one of the following:		3
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	
Humanities or Social Science WR Elective (300 level or above)		3
General Elective (300 level or above)		3
Hours		12
Spring		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		3
General Elective (300 level or above)		2
General Elective (300 level or above)		3
PHYS 530	Thermal Physics	3
Hours		14
Minimum Total Hours		125

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

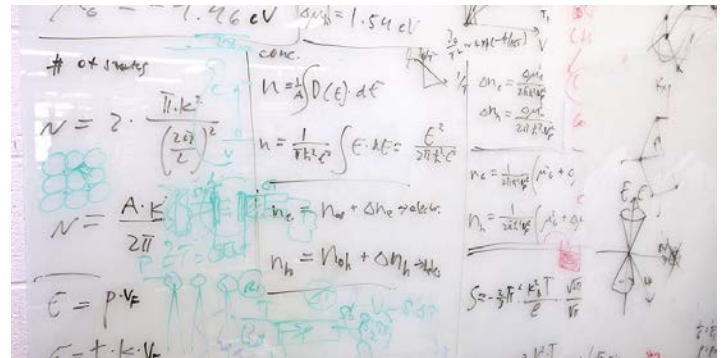
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Physics (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Physics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Physics and Astronomy (<http://www.physics.louisville.edu>)
Academic Plan Code(s): See Track Requirements tab.

Program Information

The Bachelor of Science (BS) degree is intended as preparation for entry into graduate programs in Physics and other scientific or engineering fields. It also provides suitable training for entering the workforce in a technical position.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15
	Program/Major Requirements ¹	65-68
	Track Requirements	9-10
	Minimum Total Hours	121

¹ Twelve credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BS/MS (Master of Science) in Physics Program

The Department of Physics and Astronomy also offers a five-year accelerated program leading to a Bachelor of Science degree and Master of Science degree in Physics. Interested students should apply for

admission to the program in the first semester of the senior year (i.e., after completing 90 hours).

Applicants must have completed at least 21 credit hours in Physics before applying to the program with at least a 3.0 GPA in Physics courses and a 3.35 university GPA. Students take up to nine (9) credit hours in 500-level physics courses for graduate credit that may be applied to both degrees. Two of the courses must be PHYS 542 and PHYS 556; preferably, these courses will be taken during the same semester in the student's senior year. Students must also maintain a 3.0 GPA after they are admitted to the BS/MS program.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BS/MS (Master of Science) in Physics Program

Applicants apply for admission to the five-year accelerated program in the first semester of the senior year and must meet the following criteria:

- The applicant will have completed at least 21 credit hours in Physics before applying to the program.
- The applicant will have maintained at least a 3.0 GPA in Physics courses and a 3.35 GPA overall.

All applicants must submit an application along with GRE General test score consistent with MS in Physics program (<http://catalog.louisville.edu/graduate/programs-study/master-science-physics>) guidelines.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and should be taken to fulfill the respective General Education Requirement:

CHEM 201	General Chemistry I - S	
PHYS 298	Introductory Mechanics, Heat and Sound - S	
PHYS 295	Introductory Laboratories I - SL	
MATH 205	Calculus I - QR	
Minimum Total Hours		31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ²		6-8
Electives in Humanities or Social Sciences at 300 level or above ³		6

WR—two approved courses at the 300 level or above⁴

Minimum Total Hours	13-15
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Program/Major Requirements

Code	Title	Hours
Department of Physics		
PHYS 295	Introductory Laboratories I - SL	1
PHYS 296	Introductory Laboratories II - SL	1
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 300	Introductory Modern Physics	3
PHYS 351	Atomic and Nuclear Physics Laboratory	2
PHYS 350	Differential Equations for the Physical Sciences	4
PHYS 460	Mechanics	3
PHYS 530	Thermal Physics	3
PHYS 541	Electromagnetic Fields	3
PHYS 555	Elementary Quantum Mechanics	3
Culminating Undergraduate Experience (CUE) Select one of the following:		3
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	
Professional, or Astronomy and Astrophysics, or Applied Track (see 9-10 track tab for requirements)		
Supporting Courses		
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
Minimum Electives ^{1,5}		12-15
Minimum Total Hours		74-78

Code	Title	Hours
Minimum Hours Required for Degree		121

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	

- ¹ Ten (10) credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.
- ² Completion of the intermediate level of a single foreign language.
- ³ In addition to courses counted toward General Education, 6 hours must be at the 300 level or above.
- ⁴ May be incorporated into other degree requirements
- ⁵ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Track Requirements

Track in Applied Physics

Academic Plan Code(s): PHYSBS_APP

Code	Title	Hours
Select one of the following:		1-2
PHYS 308	Observational Astronomy	
PHYS 356	Optics Laboratory	
PHYS 546	Advanced Optics Lab	
Select one of the following:		3
PHYS 542	Electromagnetic Radiation	
PHYS 545	Advanced Optics	
PHYS 547	Fundamentals of Lasers	
PHYS 556	Quantum Theory of Matter	
PHYS 565	Computational Physics	
PHYS 570	Atomic and Molecular Physics	
PHYS 575	Solid State Physics	
PHYS 580	Nuclear Physics	
PHYS 585	Elementary Particle Physics	
PHYS 589	General Relativity	
PHYS 590	Astrophysics	
PHYS electives: PHYS courses at 300 level or above to total nine hours beyond core		4-5
Minimum Total Hours		9-10

Alternate choices within or outside of the department are possible with approval.

Track in Astronomy and Astrophysics

Academic Plan Code(s): PHYSBS_ASP

Code	Title	Hours
PHYS 307	Introductory Stellar Astrophysics	3
PHYS 308	Observational Astronomy	1
PHYS 355	Optics	3
PHYS 590	Astrophysics	3
Minimum Total Hours		10

Track in Professional

Academic Plan Code(s): PHYSBS

Code	Title	Hours
PHYS 542	Electromagnetic Radiation	3
PHYS 556	Quantum Theory of Matter	3
PHYS 498	Undergraduate Research	3
Minimum Total Hours		9

Flight Plan

Track in Applied Physics

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
Hours		16
Spring		
MATH 206	Calculus II	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
CHEM 201	General Chemistry I - S	3
ENGL 102	Intermediate College Writing - WC	3
Hours		15
Year 2		
Fall		
MATH 301	Calculus III	4
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 350	Differential Equations for the Physical Sciences	4
CHEM 202	General Chemistry II - S	3
Hours		15
Spring		
PHYS 351	Atomic and Nuclear Physics Laboratory	2
PHYS 530	Thermal Physics	3
PHYS 460	Mechanics	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		14
Year 3		
Fall		
PHYS 541	Electromagnetic Fields	3
Select one of the following:		1-2
PHYS 308	Observational Astronomy	
PHYS 356	Optics Laboratory	
PHYS 546	Advanced Optics Lab	
Foreign Language 1		3-4
General Elective		3
General Elective		3
General Elective		3
Hours		17-18
Spring		
Physics track course		3
Humanities or Social Science WR elective (300 level or above)		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Foreign Language 2	3-4
Hours	15-16
Year 4	
Fall	
PHYS 555 Elementary Quantum Mechanics	3
Select one of the following:	3
PHYS 430 Practicum in Physics Education - CUE	
PHYS 496 Senior Seminar in Physics - CUE, WR	
PHYS 497 Senior Thesis in Physics - CUE, WR	
PHYS 499 Cooperative Internship in Physics - CUE	
Physics elective (300 level or above)	3
General elective	3
General elective	3
Hours	15
Spring	
General Elective	3
Humanities or Social Science WR elective (300 level or above)	3
General elective	3
General elective	3
General elective	3
Hours	15
Minimum Total Hours	122-124

Track in Astronomy and Astrophysics

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
Hours		16
Spring		
MATH 206	Calculus II	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Year 2		
Fall		
MATH 301	Calculus III	4
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 350	Differential Equations for the Physical Sciences	4
CHEM 201	General Chemistry I - S	3
Hours		15
Spring		
PHYS 351	Atomic and Nuclear Physics Laboratory	2
PHYS 460	Mechanics	3
CHEM 202	General Chemistry II - S	3
General Education: Cardinal Core Arts & Humanities - AH		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3

General Elective		3
Hours		17
Year 3		
Fall		
PHYS 307	Introductory Stellar Astrophysics	3
PHYS 308	Observational Astronomy	1
PHYS 355	Optics	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Humanities or Social Science WR Elective (300 level or above)		3
Foreign Language 1		3-4
Hours		16-17
Spring		
PHYS 590	Astrophysics	3
PHYS 530	Thermal Physics	3
General Elective		3
General Elective		3
Foreign Language 2		3-4
Hours		15-16
Year 4		
Fall		
PHYS 541	Electromagnetic Fields	3
PHYS 555	Elementary Quantum Mechanics	3
Select one of the following:		3
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	
General Elective		3
General Elective		2-3
Hours		14-15
Spring		
Humanities or Social Science WR elective (300 level or above)		3
General Elective (300 level or above)		3
General Elective (300 level or above)		3
General Elective (300 level or above)		3
General Elective		1-2
Hours		13-14
Minimum Total Hours		121-125

Track in Professional Physics

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 205	Calculus I - QR	4
PHYS 298	Introductory Mechanics, Heat and Sound - S	4
PHYS 295	Introductory Laboratories I - SL	1
General Elective		3
Hours		16
Spring		
MATH 206	Calculus II	4
PHYS 299	Introductory Electricity, Magnetism and Light	4
PHYS 296	Introductory Laboratories II - SL	1
CHEM 201	General Chemistry I - S	3
ENGL 102	Intermediate College Writing - WC	3
Hours		15

Year 2

Fall		
MATH 301	Calculus III	4
PHYS 300	Introductory Modern Physics	3
PHYS 301	Introductory Modern Physics Laboratory	1
PHYS 350	Differential Equations for the Physical Sciences	4
CHEM 202	General Chemistry II - S	3
Hours		15

Spring		
PHYS 351	Atomic and Nuclear Physics Laboratory	2
PHYS 460	Mechanics	3
Humanities or Social Science WR elective (300 level or above)		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		14

Year 3

Fall		
PHYS 541	Electromagnetic Fields	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Arts & Humanities - AH		3
Foreign Language 1		3-4
Hours		16

Spring		
PHYS 530	Thermal Physics	3
PHYS 542	Electromagnetic Radiation	3
Foreign Language 2		3-4
General Elective		3
General Elective		3
Hours		15-16

Year 4

Fall		
PHYS 498	Undergraduate Research	1-3
PHYS 555	Elementary Quantum Mechanics	3
Select one of the following:		3
PHYS 430	Practicum in Physics Education - CUE	
PHYS 496	Senior Seminar in Physics - CUE, WR	
PHYS 497	Senior Thesis in Physics - CUE, WR	
PHYS 499	Cooperative Internship in Physics - CUE	
Humanities or Social Science WR Elective (300 level or above)		3
General Elective (300 level or above)		3
Hours		15

Spring		
PHYS 556	Quantum Theory of Matter	3
General Elective (300 level or above)		3
General Elective (300 level or above)		3
General Elective		3
General Elective		3
Hours		15
Minimum Total Hours		121-122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Political Science (BA)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Political Science

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Political Science (<http://louisville.edu/politicalscience>)
Academic Plan Code(s): See Track Requirements tab.

Program Information

Bachelor of Arts in Political Science program at UofL cultivates an understanding of policy, politics and governments in the United States and around the globe. We offer a wide range of courses including campaigns and elections, the Presidency and Congress, social movements and civil rights, terrorism and war, constitutional law, environmental policy, religious politics, urban politics and poverty, and international politics. The department is a particularly inviting environment for students, with small class sizes, our own building, a computer lab, and options to specialize via several tracks in our major.

Political Science majors at the University of Louisville have been extremely successful in earning prestigious scholarships and fellowships. The roster of recent successes includes numerous Fulbright Award winners and multiple Truman Scholars. Since 2010, three of our students have won the annual Mary Churchill Humphrey scholarship, often described as UofL's Rhodes Scholarship because it supports graduate study in Great Britain. Many of our majors go on to have successful careers in government, international affairs, nongovernmental organizations, business, academia, and media.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		22
Program/Major Requirements ¹		15
Track Requirements ^{1, 2}		53
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

² Political Science offers three BA options (two tracks and one non-track). For all three options, including the non-track, please refer to the Track Requirements tab.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA

The Department of Political Science also offers its undergraduate majors an opportunity to earn both a BA (or BS) degree and an MA degree at an accelerated pace. This program allows students to complete one semester (9 credit hours) of graduate coursework while enrolled as undergraduate students. Typically, students finish their MA degrees within three semesters of completing their undergraduate degrees.

Applicants must meet the general requirements for admission to the School of Interdisciplinary and Graduate Studies and must submit an application to the Department of Political Science. Applicants should have an undergraduate major or minor in social science or have sufficient alternative preparation in the social sciences.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/> apply).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

POLS 202	Introduction to Comparative Politics - D2, SB
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^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Humanities or Natural Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Political Science		
POLS 201	Introduction to American Government and Politics - SB ⁴	3
POLS 202	Introduction to Comparative Politics - D2, SB ⁴	3
POLS 330	International Relations	3
POLS 390	Contemporary Political Research ⁵	3
POLS 495	Senior Seminar - CUE, WR (CUE) ⁶	3
Track Requirements (see Tracks tab for coursework) ⁷		53
Minimum Total Hours		68

No more than 6 hours of POLS 430, POLS 510, POLS 511 and/or POLS 512 may count toward the major.

Only 40 hours in the major department may be applied toward the Bachelor of Arts Degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		

Requirement fulfilled by completing:

POLS 495	Senior Seminar - CUE, WR
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- ¹ Completion of the intermediate level of a single foreign language
- ² In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- ³ May be incorporated into other degree requirements
- ⁴ Fulfills General Education requirement.
- ⁵ Substitutions may be approved by the departmental advisor.
- ⁶ Fulfills WR requirement.
- ⁷ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Track Requirements

Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Track in Applied Politics

Academic Plan Code(s): POLSBA_APO

Code	Title	Hours
Political Institutions		
Select two of the following:		6
POLS 302	Urban Political Economy	
POLS 305	Urban Politics	
POLS 306	State Government	
POLS 311	American Presidency	
POLS 314	Judicial Politics	
POLS 317	American Congress	
POLS 325	Public Administration	
POLS 326	Public Policy	

POLS 331	International Organization - WR	
Political Identity and Behavior		
Select two of the following:		6
POLS 316	Gender, Sexuality & Law	
POLS 318	Religion and United States Politics	
POLS 319	Media and Politics	
POLS 320	Civil Rights and the Law II	
POLS 321	Public Opinion	
POLS 322	American Political Parties and Elections	
POLS 323	Queer Politics	
POLS 324	Women in American Politics	
POLS 327	African-American Politics - D1, SB	
POLS 328	Information Technology and Politics	
POLS 335	Global Environmental Politics	
POLS 563	Women in Developing Countries - WR	
Experiential Learning		
Select one of the following:		3
POLS 310	Policy, Community & Service	
POLS 430	Political Science Internship I	
POLS 465	Chinese Culture	
POLS 510	Louisville Metro Council Internship	
POLS 511	Internship II	
POLS 512	Frankfort Legislative Internship	
POLS 520	Coping with Conflict	
POLS 530	International Negotiation	
POLS Elective		3
Supporting Courses		
ECON 202	Principles of Macroeconomics - SB	3
Minimum Electives		32
Minimum Total Hours		53

Track in Global Politics and International Affairs

Academic Plan Code(s): POLSBA_GIA

Code	Title	Hours
International Relations Area		
Select two of the following:		6
POLS 331	International Organization - WR	
POLS 332	International Law - WR	
POLS 333	American Foreign Policy	
POLS 334	The Politics of Global Economic Relations	
POLS 335	Global Environmental Politics	
POLS 336	Politics of European Integration and Foreign Policy	
POLS 337	Law, Diplomacy and Power	
POLS 338	National and International Security: Issues and Policies	
POLS 339	Terrorism	
POLS 341	Political Violence	
POLS 363	Politics of Oil	
POLS 364	World Order	
POLS 371	Latin America in the World	
POLS 406	Topics in International Relations	

POLS 437	The United States and East Asia - WR	
POLS 450	Topics in World Affairs	
POLS 506	Topics in International Relations	
POLS 520	Coping with Conflict	
POLS 530	International Negotiation	
Comparative Politics Area		
Select two of the following:		6
POLS 304	Comparative Urban Politics	
POLS 328	Information Technology and Politics	
POLS 340	Politics and Government of Western Europe	
POLS 341	Political Violence	
POLS 345	Russia and Eurasia - WR	
POLS 347	Democratization	
POLS 349	Comparative Political Culture - WR	
POLS 350	African Government and Politics	
POLS 355	Introduction to Middle East Politics	
POLS 356	Political Islam	
POLS 357	Religion and International Politics	
POLS 362	Comparative Political Economy	
POLS 363	Politics of Oil	
POLS 365	People's Republic of China - WR	
POLS 366	Politics of East Asia	
POLS 367	Politics and Government of Southeast Asia	
POLS 370	Comparative Political Development in Latin America	
POLS 371	Latin America in the World	
POLS 402	Topics in Comparative Politics	
POLS 437	The United States and East Asia - WR	
POLS 502	Topics in Comparative Politics	
POLS 563	Women in Developing Countries - WR	
POLS Electives ¹		6

Code	Title	Hours
Supporting Courses		
ECON 202	Principles of Macroeconomics - SB	3
Minimum Electives		32
Minimum Total Hours		53

No-Track Political Science BA

Academic Plan Code(s): POLSBA

Students in this plan of study are required to take at least one course from each of Political Science's five subfields.

Code	Title	Hours
American Politics ²		
Select one of the following:		3
POLS 306	State Government	
POLS 311	American Presidency	
POLS 312	Constitutional Law	
POLS 313	Constitutional Law	
POLS 314	Judicial Politics	
POLS 315	Race, Law and Politics - D1, SB	
POLS 316	Gender, Sexuality & Law	
POLS 317	American Congress	

POLS 318	Religion and United States Politics
POLS 319	Media and Politics
POLS 320	Civil Rights and the Law II
POLS 321	Public Opinion
POLS 322	American Political Parties and Elections
POLS 323	Queer Politics
POLS 324	Women in American Politics
POLS 327	African-American Politics - D1, SB
POLS 401	Topics in American Politics - WR
POLS 501	Topics in American Politics
POLS 507	Topics in Digital Politics

Public Policy^{2,3} 3

Choose one of the following:

POLS 302	Urban Political Economy
POLS 304	Comparative Urban Politics
POLS 305	Urban Politics
POLS 310	Policy, Community & Service
POLS 325	Public Administration
POLS 326	Public Policy
POLS 333	American Foreign Policy
POLS 405	Topics in Public Policy
POLS 426	Environmental Policy
POLS 505	Topics in Urban and Public Policy
POLS 510	Louisville Metro Council Internship
POLS 511	Internship II
POLS 512	Frankfort Legislative Internship

International Relations^{2,3,4,5} 3

Choose one of the following:

POLS 331	International Organization - WR
POLS 332	International Law - WR
POLS 333	American Foreign Policy
POLS 334	The Politics of Global Economic Relations
POLS 335	Global Environmental Politics
POLS 336	Politics of European Integration and Foreign Policy
POLS 337	Law, Diplomacy and Power
POLS 338	National and International Security: Issues and Policies
POLS 339	Terrorism
POLS 341	Political Violence
POLS 363	Politics of Oil
POLS 364	World Order
POLS 371	Latin America in the World
POLS 406	Topics in International Relations
POLS 450	Topics in World Affairs
POLS 437	The United States and East Asia - WR
POLS 506	Topics in International Relations
POLS 520	Coping with Conflict
POLS 530	International Negotiation

Comparative Politics^{2,4,5} 3

Choose one of the following:

POLS 304	Comparative Urban Politics
POLS 328	Information Technology and Politics

POLS 340	Politics and Government of Western Europe
POLS 345	Russia and Eurasia - WR
POLS 341	Political Violence
POLS 347	Democratization
POLS 349	Comparative Political Culture - WR
POLS 350	African Government and Politics
POLS 355	Introduction to Middle East Politics
POLS 356	Political Islam
POLS 362	Comparative Political Economy
POLS 363	Politics of Oil
POLS 366	Politics of East Asia
POLS 365	People's Republic of China - WR
POLS 367	Politics and Government of Southeast Asia
POLS 370	Comparative Political Development in Latin America
POLS 371	Latin America in the World
POLS 402	Topics in Comparative Politics
POLS 437	The United States and East Asia - WR
POLS 502	Topics in Comparative Politics
POLS 563	Women in Developing Countries - WR

Political Theory² 3

Choose one of the following:

POLS 381	Early Political Thought
POLS 382	Modern Political Thought
POLS 383	American Political Thought
POLS 384	Democracy and Its Critics - WR
POLS 386	Political Theory and Utopia - WR
POLS 387	American Utopian Communities
POLS 388	Contemporary Political Theory
POLS 404	Topics in Political Theory
POLS 504	Topics in Political Theory - WR
POLS 568	Feminist Theory - WR

Political Science Electives 6

Supporting Courses

ECON 202	Principles of Macroeconomics - SB	3
Electives in Social Sciences other than Political Science, with 9 hours at the 300-level or above		15
Minimum Electives		14
Minimum Total Hours		53

¹ The department encourages students to satisfy a portion of the elective requirement through completion of experiential learning courses such as POLS 430, POLS 465, POLS 510, POLS 511, POLS 520 or POLS 530.

² POLS 399 may be an appropriate elective under any category depending on its topic in a given semester. A student must obtain her/his advisor's approval before attempting to use this course to satisfy an area requirement.

³ POLS 333 may be used as an elective option under Public Policy or International Relations. It may only satisfy one requirement. It may not be used to satisfy both requirements.

⁴ POLS 341 may be used as an elective option under International Relations and Comparative Politics. It may only satisfy one requirement. It may not be used to satisfy both requirements.

⁵ POLS 363 may be used as an elective option under International Relations and Comparative Politics. It may only satisfy one requirement. It may not be used to satisfy both requirements.

Flight Plan

No Track - Political Science (BA)

Academic Plan Code(s): POLSBA

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
POLS 201	Introduction to American Government and Politics - SB	3
POLS 111	Political Discourse - OC	3
ECON 202	Principles of Macroeconomics - SB	3
Foreign Language 1		3-4
Hours		16-17
Spring		
ENGL 102	Intermediate College Writing - WC	3
POLS 202	Introduction to Comparative Politics - D2, SB	3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3
General Elective		3
Hours		15
Year 2		
Fall		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 3		3-4
Political Science American Politics elective		3
General Elective		3
Hours		15-17
Spring		
POLS 330	International Relations	3
Humanities or Natural Science Wr elective (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Foreign Language 4		3-4
Political Science Comparative Politics elective		3
Hours		16-17
Year 3		
Fall		
Social Science elective		3
Social Science elective (300 level or above)		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Political Science International Relations elective		3
Humanities or Natural Science elective (300 level or above)		3
Hours		15
Spring		
POLS 390	Contemporary Political Research	3
Political Science Public Policy elective		3
Social Science elective (300 level or above)		3
General Education: Cardinal Core Arts & Humanities - AH		3
Social Science elective		3
Hours		15

Year 4

Fall

Social Science elective (300 level or above)		3
Political Science Political Theory elective		3
Humanities or Natural Science elective (300 level or above)		3
Political Science elective		3
General elective		3
Hours		15

Spring

POLS 495	Senior Seminar - CUE, WR	3
Political Science elective		3
General elective		3
General elective		3
General elective		3
Hours		15
Minimum Total Hours		122-126

Track in Applied Politics

Academic Plan Code(s): POLSBA_APO

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
POLS 201	Introduction to American Government and Politics - SB	3
Foreign Language 1		3-4
General Elective		3
General Elective		2
Hours		15-16
Spring		
ENGL 102	Intermediate College Writing - WC	3
POLS 202	Introduction to Comparative Politics - D2, SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
POLS 330	International Relations	3
General Elective		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 3		3-4
Hours		15-17
Spring		
ECON 202	Principles of Macroeconomics - SB	3
Humanities or Natural Science WR Elective (300 level or above)		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Elective		3
Foreign Language 4		3-4
Hours		16-17
Year 3		
Fall		
General elective		3
General elective (300 level or above)		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3

Political Science elective	3
Humanities or Natural Science elective (300 level or above)	3
Hours	15
Spring	
POLS 390 Contemporary Political Research	3
Political Science Political Institutions course	3
General elective (300 level or above)	3
General Education: Cardinal Core Arts & Humanities - AH	3
Political Science Experiential Learning course	3
Hours	15
Year 4	
Fall	
Political Science Political Institutions course	3
Political Science Political Identity course	3
General elective (300 level or above)	3
General elective	3
Humanities or Natural Science elective (300 level or above)	3
Hours	15
Spring	
POLS 495 Senior Seminar - CUE, WR	3
Political Science Political Identity course	3
General elective	3
General elective	3
General elective	3
Hours	15
Minimum Total Hours	121-126

Track in Global Politics and International Affairs

Academic Plan Code(s): POLSBA_GIA

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
POLS 201	Introduction to American Government and Politics - SB	3
Foreign Language 1		3-4
General elective		3
General elective		2
Hours		15-16
Spring		
ENGL 102	Intermediate College Writing - WC	3
POLS 202	Introduction to Comparative Politics - D2, SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3-4
Hours		15-16
Year 2		
Fall		
POLS 330	International Relations	3
General Elective		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
Foreign Language 3		3-4
Hours		15-17
Spring		
ECON 202	Principles of Macroeconomics - SB	3

Humanities or Natural Science WR Elective (300 level or above)	3
General Education: Cardinal Core Natural Sciences - S	3
General Education: Cardinal Core Natural Sciences Lab - SL	1
General elective	3
Foreign Language 4	3-4
Hours	16-17
Year 3	
Fall	
General Education: Cardinal Core Arts & Humanities - AH	3
Humanities or Natural Science elective (300 level or above)	3
General elective	3
General elective	3
General elective (300 level or above)	3
Hours	15
Spring	
POLS 390 Contemporary Political Research	3
Political Science International Relations course	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1	3
Social Science elective	3
General elective	3
Hours	15
Year 4	
Fall	
Political Science International Relations course	3
Political Science Comparative Politics course	3
Humanities or Natural Science elective (300 level or above)	3
Political Science elective	3
General elective (300 level or above)	3
Hours	15
Spring	
POLS 495 Senior Seminar - CUE, WR	3
Political Science Comparative Politics course	3
Political Science elective	3
General elective	3
General elective	3
Hours	15
Minimum Total Hours	121-126

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Political Science (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Political Science

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Political Science (<http://louisville.edu/politicalscience>)
Academic Plan Code(s): See Track Requirements tab.

Program Information

Bachelor of Science in Political Science program at UofL cultivates an understanding of policy, politics and governments in the United States and around the globe. We offer a wide range of courses including campaigns and elections, the Presidency and Congress, social movements and civil rights, terrorism and war, constitutional law, environmental policy, religious politics, urban politics and poverty, and international politics. The department is a particularly inviting environment for students, with small class sizes, our own building, a computer lab, and options to specialize via several tracks in our major.

Political Science majors at the University of Louisville have been extremely successful in earning prestigious scholarships and fellowships. The roster of recent successes includes numerous Fulbright Award winners and multiple Truman Scholars. Since 2010, three of our students have won the annual Mary Churchill Humphrey scholarship, often described as UofL's Rhodes Scholarship because it supports graduate study in Great Britain. Many of our majors go on to have successful careers in government, international affairs, nongovernmental organizations, business, academia, and media.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
	College/School Requirements	13-15
	Program/Major Requirements	24
	Track Requirements	51-53
	Minimum Total Hours	121

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA

The Department of Political Science also offers its undergraduate majors an opportunity to earn both a BA (or BS) degree and an MA degree at an accelerated pace. This program allows students to complete one semester (9 credit hours) of graduate coursework while enrolled as undergraduate students. Typically, students finish their MA degrees within three semesters of completing their undergraduate degrees.

Applicants must meet the general requirements for admission to the School of Interdisciplinary and Graduate Studies and must submit an application to the Department of Political Science. Applicants should have an undergraduate major or minor in social science or have sufficient alternative preparation in the social sciences.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website: louisville.edu/artsandsciences/advising/apply.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
The following courses are required by the program or program tracks and can satisfy the respective General Education Requirement(s):		
POLS 202	Introduction to Comparative Politics - D2, SB	
ECON 201	Principles of Microeconomics - SB	

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Natural Sciences at 300 level or above ²	6
	WR—two approved courses at the 300 level or above ³	
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Political Science		
POLS 325 or POLS 326	Public Administration ⁵ Public Policy	3
POLS 390	Contemporary Political Research	3
POLS 495	Senior Seminar - CUE, WR ⁶	3
<i>Law and Jurisprudence Area</i>		
	Select three courses:	9
POLS 312	Constitutional Law	
POLS 313	Constitutional Law	
POLS 314	Judicial Politics	
POLS 315	Race, Law and Politics - D1, SB	
POLS 320	Civil Rights and the Law II	
POLS 332	International Law - WR ⁵	
POLS 337	Law, Diplomacy and Power	
<i>Public Policy Area</i>		
	Select two courses:	6

POLS 302	Urban Political Economy
POLS 304	Comparative Urban Politics
POLS 305	Urban Politics
POLS 310	Policy, Community & Service
POLS 325	Public Administration ⁶
POLS 326	Public Policy ⁶
POLS 333	American Foreign Policy
POLS 405	Topics in Public Policy
POLS 426	Environmental Policy
POLS 505	Topics in Urban and Public Policy
POLS 510	Louisville Metro Council Internship
POLS 511	Internship II
POLS 512	Frankfort Legislative Internship
Track Requirements	51-53
Minimum Total Hours	75-77

No more than 6 hours of POLS 430, POLS 510, POLS 511 and/or POLS 512 may count toward the major.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
POLS 495	Senior Seminar - CUE, WR	

- ¹ Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- ² In addition to courses counted toward General Education
- ³ May be incorporated into other degree requirements
- ⁴ Fulfills general education requirement.
- ⁵ Fulfills WR requirement.
- ⁶ May not be double-counted for public policy area requirement if used for core requirement or for both a programmatic and supporting course.

Track Requirements

Track in Law and Public Policy

Academic Plan Code(s): POLSBS_LP

Code	Title	Hours
POLS 201	Introduction to American Government and Politics - SB	3
POLS 202	Introduction to Comparative Politics - D2, SB	3
POLS 330	International Relations	3
POLS Electives		9
Supporting Courses		
ECON 201 & ECON 202	Principles of Microeconomics - SB Principles of Macroeconomics - SB	6
Electives in Social Sciences other than Political Science, with 6 hours at the 300-level or above		12
Minimum Electives		15-17
Minimum Total Hours		51-53

Track in Paralegal Studies

Academic Plan Code(s): POLSBS_PAR

Note: Completion of the BS in Political Science with Paralegal Track is not, without dual completion of the Associate of Arts in Paralegal Studies, designed to prepare students for a career as a paralegal, nor does it constitute a Paralegal degree from an ABA-accredited program.

Completion of the Associate of Arts in Paralegal Studies requires at least 10 semester hours of legal specialty coursework to be completed through traditional classroom instruction.

The Associate of Arts Program in Paralegal Studies is not currently accepting applications for Admission.

Code	Title	Hours
POLS 201	Introduction to American Government and Politics - SB	3
or POLS 202	Introduction to Comparative Politics - D2, SB	
POLS Electives		3
Paralegal Track		
PARA 101	Legal Systems and the Paralegal	3
PARA 102	Legal Research and Writing	3
PARA 203	Advanced Legal Research and Writing	3
PARA 399	Professional Ethics for Paralegals	1
PARA 390	Paralegal Internship	3
PARA Electives		15
Supporting Courses		
ECON 201 & ECON 202	Principles of Microeconomics - SB Principles of Macroeconomics - SB	6
PHIL 211	Critical Thinking - AH	3
or PHIL 311	Introduction to Logic	
MATH 107	Finite Mathematics	3
or MATH 180	Elements of Calculus - QR	
Minimum Electives		5-7
Minimum Total Hours		51-53

Flight Plan

Track in Law and Public Policy

Academic Plan Code(s): POLSBS_LP

Course	Title	Hours
Year 1		
Fall		
GEN 101	Arts and Sciences Orientation	1
or GEN 100	or Student Success Center Orientation	
ENGL 101	Introduction to College Writing - WC	3
POLS 201	Introduction to American Government and Politics - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Foreign Language 1		3-4
		Hours
		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3-4
General Elective		3

Foreign Language 2		3-4
Hours		16-17
Year 2		
Fall		
POLS 202	Introduction to Comparative Politics - D2, SB	3
POLS 330	International Relations	3
Social Science elective (300 level or above)		3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		15
Spring		
POLS 325 or POLS 326	Public Administration or Public Policy	3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Political Science Law course		3
General elective		3
Hours		15
Year 3		
Fall		
Humanities or Natural Sciences WR elective (300 level or above)		3
ECON 202	Principles of Macroeconomics - SB	3
Political Science Law course		3
Political Science Public Policy course		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Hours		15
Spring		
Humanities or Natural Science elective (300 level or above)		3
Social Science elective		3
Political Science Law course		3
POLS 390	Contemporary Political Research	3
Social Science elective		3
Hours		15
Year 4		
Fall		
Political Science Public Policy course		3
Political Science elective		3
Social Science elective (300 level or above)		3
General Elective		3
General elective		3
Hours		15
Spring		
POLS 495	Senior Seminar - CUE, WR	3
Political Science elective		3
Political Science elective		3
General elective		3
General elective		3
Hours		15
Minimum Total Hours		121-122

Track in Paralegal Studies

Academic Plan Code(s): POLSBS_PAR

Course	Title	Hours
Year 1		
Fall		
GEN 101 or GEN 100	Arts and Sciences Orientation or Student Success Center Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 180	Elements of Calculus - QR	3

Foreign Language 1		3-4
PARA 101	Legal Systems and the Paralegal	3
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
POLS 201	Introduction to American Government and Politics - SB	3
PARA 102	Legal Research and Writing	3
General Education: Cardinal Core Natural Sciences - S		3
Foreign Language 2		3-4
Hours		16
Year 2		
Fall		
PARA 203	Advanced Legal Research and Writing	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Elective		3
Hours		16
Spring		
Paralegal Studies elective (300 level or above)		3
Paralegal Studies elective (300 level or above)		3
Humanities or Natural Science WR elective (300 level or above)		3
ECON 201	Principles of Microeconomics - SB	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		15
Year 3		
Fall		
POLS 325 or POLS 326	Public Administration or Public Policy	3
PARA 390	Paralegal Internship	3
PARA 399	Professional Ethics for Paralegals	1
Paralegal Studies elective (300 level or above)		3
Political Science Law course		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Spring		
ECON 202	Principles of Macroeconomics - SB	3
PHIL 211 or PHIL 311	Critical Thinking - AH or Introduction to Logic	3
POLS 390	Contemporary Political Research	3
Paralegal Studies elective (300 level or above)		3
Political Science Policy course		3
Hours		15
Year 4		
Fall		
Political Science Law course		3
Political Science Policy course		3
Political Science elective		3
General Elective		3
General elective		3
Hours		15
Spring		
POLS 495	Senior Seminar - CUE, WR	3
General elective		2
Political Science Law course		3
Humanities or Natural Science elective (300 level or above)		3
Paralegal Studies elective (300 level or above)		3
Hours		14
Minimum Total Hours		121

¹ MATH 107 is not approved to satisfy the Cardinal Core program's Quantitative Reasoning (QR) requirement. Students who opt to take MATH 107 will need to take an approved QR course as one of their general electives.

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Psychology (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Psychology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Psychological and Brain Sciences (<http://louisville.edu/psychology>)
 Academic Plan Code(s): PSYCBA, PSYCBA_0

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The BA in Psychology prepares students for most bachelor's-level careers as well as graduate school in psychology and other professional domains. Students develop the critical thinking and communication

skills necessary to gather, interpret and present data. Psychology students can become intelligent consumers of information and active investigators of the fields of cognition, behavior, and brain science and how each facet of psychology impacts everyday decision-making.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the major in Psychology requires:

1. Completion of PSYC 201 with a minimum grade of C;
2. Completion of MATH 111 or higher level Math course;
3. Completion of PSYC 301 Statistics for Psychology (or department-approved substitute) with a minimum grade of C;
4. Completion of 30 hours of degree-applicable credit with a minimum grade point average of 2.0; and
5. A minimum grade point average of 2.0 in Psychology.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

PSYC 201	Introduction to Psychology - SB
MATH 111 or higher-level QR course	(required for admission to the major)

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Psychology		
PSYC 201	Introduction to Psychology - SB ⁴	3
PSYC 301	Statistics for Psychology (or departmentally-approved substitute) ⁵	3
PSYC 302	Research Methods for Psychology	3
Core requirements:		12
PSYC 305	Brain and Behavior	
PSYC 306	Life Span Developmental Psychology	
PSYC 307	Cognitive Processes	
PSYC 308	Abnormal Psychology	
Psychology CUE course (see list below)		3
Psychology electives ^{5,6}		12-15
Supporting Courses		
Select TWO (2) of the following sequences (in addition to Programmatic Requirements):		12
ANTH 201 and any Anthropology 300+ elective		
POLS 201 and any Political Science 300+ elective		
PHIL 311 and either PHIL 321 or PHIL 323		
SOC 201 and any Sociology 300+ level elective		
Minimum Electives^{6,7}		17
Minimum Total Hours		68

Requirements for graduation include:

- Completion of PSYC 302 with a minimum grade of C
- Minimum grade of C-minus in all courses used to meet departmental requirements in the Psychology major
- Minimum grade point average of 2.0 in Psychology

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
PSYC 400	Psychology Research and Public Communication - CUE	
PSYC 407	Community Internships in Psychology - CUE	
PSYC 408	International Service Learning and Research - CUE	

PSYC 410	Giving Psychology Away: Critical Thinking and Public Communication - CUE
PSYC 412	Modifying Behavior - CUE
PSYC 415	Family Risk, Resilience and Mindfulness - CUE, WR
PSYC 420	History of Psychology: A Socio-Cultural Perspective - CUE, WR
PSYC 430	Psychology of Peace & Ethnic Relations - CUE
PSYC 433	Music Perception and Cognition - CUE
PSYC 440	Aging: Science and Stories - CUE, WR
PSYC 444	Exploration of Self: Theory and Research - CUE, WR
PSYC 485	Stress and Trauma - CUE, WR
PSYC 492	Undergraduate Psychology Research - CUE
PSYC 496	Honors Psychology Thesis - CUE, WR

- 1 Completion of the intermediate level of a single foreign language
- 2 In addition to courses counted toward Cardinal Core; 6 hours must be at 300 level or above
- 3 May be incorporated into other degree requirements
- 4 Fulfills Cardinal Core requirement
- 5 Students should confirm any substitute course with the department prior to enrollment. Students who substitute a statistics course from another department will need to take an additional Psychology elective to complete the required number of Psychology hours for the program.
- 6 At least 50 of the total minimum hours required for the degree must be at the 300 level or above.
- 7 Students who satisfy Cardinal Core Requirements by courses defined by the program may require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
MATH 111	College Algebra - QR	3
PSYC 201	Introduction to Psychology - SB	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 1		3-4
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Sciences with Lab - B		4
Hours		14
Year 2		
Fall		
PSYC 301	Statistics for Psychology	3
PSYC 305	Brain and Behavior	3
PSYC 306	Life Span Developmental Psychology	3
General Education: Cardinal Core Oral Communication - OC		3
Foreign Language 2		3-4
Hours		16

Spring		
PSYC 302	Research Methods for Psychology	3
PSYC 307	Cognitive Processes	3
PSYC 308	Abnormal Psychology	3
Humanities or Natural Science elective		3
Foreign Language 3		3-4
Hours		16
Year 3		
Fall		
Humanities or Natural Science elective (300 level or above)		3
Humanities or Natural Science elective (300 level or above)		3
PSYC elective (300 level or above)		3
PSYC elective (300 level or above)		3
Foreign Language 4 (if needed) or general elective		3
Hours		15
Spring		
Psychology elective (300 level or above)		3
First Social Science Elective Sequence Course 1		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General elective (300 level or above)		3
General elective		3
Hours		15
Year 4		
Fall		
Psychology elective; CUE/WR or WR		3
Psychology elective (300 level or above)		3
First Social Science Elective Sequence Course 2		3
Second Social Science Elective Sequence Course 1		3
General elective		3
Hours		15
Spring		
Psychology elective; CUE/WR or WR		3
Second Social Science Elective Sequence Course 2		3
General elective		3
General elective (300 level or above)		3
General elective		3
Hours		15
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the

ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Psychology (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Psychology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Psychological and Brain Sciences (<http://louisville.edu/psychology>)
Academic Plan Code(s): PSYCBS

Program Information

This degree program is designed to accommodate the needs of majors who intend to pursue careers health or science fields and includes most of the required course work for a pre-med curriculum. This program requires a demanding sequence of supporting classes in biology, chemistry, physics, mathematics beyond the introductory level, as well as increased hours of electives in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		13-15
Program/Major Requirements ¹		75-77
Minimum Total Hours		121

¹ Students earning the BS in Psychology will satisfy at least 10 hours of General Education Requirements by courses defined by the program. Students who take MATH 205 and also apply it to satisfy the Quantitative Reasoning requirement will satisfy 14 hours. In either case, students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the major in Psychology requires:

1. Completion of PSYC 201 with a minimum grade of C;
2. Completion of MATH 111 or higher level Math course;
3. Completion of PSYC 301 (or department-approved substitute) with a minimum grade of C;
4. Completion of 30 hours of degree-applicable credit with a minimum grade point average of 2.0; and
5. A minimum grade point average of 2.0 in Psychology.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

PSYC 201	Introduction to Psychology - SB
BIOL 240	Unity of Life - S
CHEM 201	General Chemistry I - S
CHEM 207	Introduction to Chemical Analysis I - SL
MATH 205	Calculus I - QR ⁸

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
Foreign Language ¹		6-8
Electives in Humanities or Natural Sciences at 300+level ²		6
WR - two approved courses at the 300 level or above ³		
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Psychological and Brain Sciences		
PSYC 201	Introduction to Psychology - SB ⁴	3
PSYC 301	Statistics for Psychology ((or department-approved substitute)) ⁵	3
PSYC 302	Research Methods for Psychology	3
Core requirements		12
PSYC 305	Brain and Behavior	
PSYC 306	Life Span Developmental Psychology	
PSYC 307	Cognitive Processes	
PSYC 308	Abnormal Psychology	

Psychology CUE course (see list below)		3
PSYC Electives ^{6,7}		18
Supporting Courses		
BIOL 240	Unity of Life - S	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207 & CHEM 208	Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	2
CHEM 209	Introduction to Chemical Analysis III	1
MATH 205	Calculus I - QR ⁸	4
PHYS 221 & PHYS 223	Fundamentals of Physics I - S Fundamentals of Physics Lab I - SL	4
PHYS 222 & PHYS 224	Fundamentals of Physics II - S Fundamentals of Physics Laboratory II - SL	4
Minimum Electives ^{6,7}		4-6
Minimum Total Hours		75-77

Requirements for graduation include:

- Completion of PSYC 302 with a minimum grade of C
- A minimum grade of C-minus in all courses used to meet departmental requirements in the Psychology major
- A minimum GPA of 2.0 in Psychology (PSYC) coursework

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
PSYC 400	Psychology Research and Public Communication - CUE	
PSYC 407	Community Internships in Psychology - CUE	
PSYC 408	International Service Learning and Research - CUE	
PSYC 410	Giving Psychology Away: Critical Thinking and Public Communication - CUE	
PSYC 412	Modifying Behavior - CUE	
PSYC 415	Family Risk, Resilience and Mindfulness - CUE, WR	
PSYC 420	History of Psychology: A Socio-Cultural Perspective - CUE, WR	
PSYC 430	Psychology of Peace & Ethnic Relations - CUE	
PSYC 433	Music Perception and Cognition - CUE	
PSYC 440	Aging: Science and Stories - CUE, WR	
PSYC 444	Exploration of Self: Theory and Research - CUE, WR	
PSYC 485	Stress and Trauma - CUE, WR	
PSYC 492	Undergraduate Psychology Research - CUE	
PSYC 496	Honors Psychology Thesis - CUE, WR	

¹ Completion of the second semester of a single foreign language; hours will vary depending on the language taken

² In addition to courses counted toward Cardinal Core

- ³ May be incorporated into other degree requirements
- ⁴ Fulfills a Cardinal Core Requirement.
- ⁵ Students should confirm any substitute class with the department prior to enrollment. Students who substitute a statistics course from another department will need to take an additional Psychology elective to complete the required number of Psychology hours for the program.
- ⁶ At least 50 of the total minimum hours required for the degree must be at the 300 level or above.
- ⁷ Students who satisfy Cardinal Core Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.
- ⁸ Or higher level course

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
BIOL 240	Unity of Life - S	3
PSYC 201	Introduction to Psychology - SB	3
CHEM 201	General Chemistry I - S	3
CHEM 207	Introduction to Chemical Analysis I - SL	1
CHEM 208	Introduction to Chemical Analysis II - SL	1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
BIOL 242	Diversity of Life - S	3
BIOL 244	Principles of Biology Laboratory - SL	2
MATH 205	Calculus I - QR	4
CHEM 202	General Chemistry II - S	3
CHEM 209	Introduction to Chemical Analysis III	1
Hours		16
Year 2		
Fall		
PSYC 301	Statistics for Psychology	3
PSYC 305	Brain and Behavior	3
PSYC 306	Life Span Developmental Psychology	3
Foreign Language 1		3-4
General Education: Cardinal Core Oral Communication - OC		3
Hours		15-16
Spring		
PSYC 302	Research Methods for Psychology	3
PSYC 307	Cognitive Processes	3
PSYC 308	Abnormal Psychology	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Foreign Language 2		3-4
Hours		15-16
Year 3		
Fall		
PHYS 221	Fundamentals of Physics I - S	3
PHYS 223	Fundamentals of Physics Lab I - SL	1
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
Psychology elective		3
Psychology elective		3
Humanities or Natural Science elective (300 level or above)		3
Hours		16

Spring		
PHYS 222	Fundamentals of Physics II - S	3
PHYS 224	Fundamentals of Physics Laboratory II - SL	1
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Psychology WR elective (300 level or above)		3
Psychology elective (300 level or above)		3
Humanities or Natural Sciences elective (300 level or above)		3
Hours		16
Year 4		
Fall		
Psychology elective (300 level or above)		3
Psychology WR elective		3
General elective		3
General elective		3
General elective		3
Hours		15
Spring		
Psychology elective CUE		3
Psychology elective (300 level or above)		3
General elective (300 level or above)		3
General elective		3
General elective		1
Hours		13
Minimum Total Hours		121-123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Public Health (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Public Health

Unit: Public Health and Information Sciences (<http://louisville.edu/sphis>)
Academic Plan Code(s): PH_ _BA

Program Information

The School of Public Health and Information Sciences (SPHIS) offers two undergraduate degree options: Bachelor of Science in Public Health for students focused on public health practice and Bachelor of Arts in Public Health for liberal studies.

A degree in public health provides students with the skills they need to improve the health of populations and communities, as well as alleviate suffering caused by disease, injuries and health disparities. Public Health majors learn how to inquire, challenge and explore options that promote the health and well-being of the community.

A BA in Public Health prepares students for positions in specific sectors of public health, health services, and public policy, with career opportunities in health education, health care administration, health research, environmental health, and more. Examples of job settings could include colleges and universities, federal and state health agencies, and community and international organizations. Both degrees prepare students for advanced degrees in public health, law, and clinical health professions (i.e., PA, PT, Nursing, Pharmacy, Medicine, and Dentistry).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements ¹	6-8
	Program/Major Requirements ¹	81-83
	Minimum Total Hours	120

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the school, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-MPH in Public Health

The accelerated degree program allows a student to complete the Bachelor of Arts in Public Health (BA) and the Master of Public Health (MPH) over a five year period. The first four years consist of undergraduate studies, including five core public health graduate level courses (15 credit hours) taken during the senior year, culminating in the award of the Bachelors of Arts in Public Health degree.

The fifth year, including the summer following graduation with a bachelor's degree, consists of graduate coursework in public health, leading to completion of the Master of Public Health (MPH) degree. The Master of Public Health (MPH) degree program is designed to provide students with training in foundational MPH competencies as well as a specific area of concentration. MPH concentrations currently available for the accelerated program are:

- Epidemiology
- Health Promotion and Behavior
- Global Public Health with an emphasis in Maternal and Child Health

MPH graduates are prepared for positions in the public health work force, health-related industries, academic organizations, or for further professional or academic education.

The accelerated curriculum allows students to take up to 15 credit hours of the Master of Public Health core course work during their undergraduate studies. The 15 graduate credits will count towards the completion of both the BA and MPH degrees and will substitute for required undergraduate courses as follows:

- Undergraduate course: PHST 301 Quantitative Methods in Public Health
MPH replacement course: PHST 500 Introduction to Biostatistics for Health Sciences I
- Undergraduate course: PHPB 300 Social and Behavioral Foundations of Public Health
MPH replacement course: PHPB 501 Introduction to Public Health Behavior
- Undergraduate course: PHEP 441 Epidemiological Concepts and Methods for Public Health
MPH replacement course: PHEP 501 Introduction to Epidemiology
- Undergraduate course: PHEH 301 Public Health and Our Environment
MPH replacement course: PHEH 500 Introduction to Environmental and Occupational Health Sciences
- Undergraduate course: PHMS 301 Introduction to the U.S. Healthcare Delivery Systems
MPH replacement course: PHMS 501 Introduction to Public Health Practice and Administration

Departmental Admission Requirements

Admission requirements depend on a student's educational and public health experience, outlined as follows:

Entering First-Year Students

1. Either of the following:
 - a. Graduation from accredited high school
 - b. Successful completion of General Education Development (GED) tests
2. High school GPA of 2.5 or higher
3. ACT/SAT score of 20/1030 or higher

Transfer Students

Transfer students with fewer than 24 credit hours

1. College GPA of 2.0 or higher
2. Either of the following:
 - a. Graduation from accredited high school
 - b. Successful completion of General Education Development (GED) tests
3. High school GPA of 2.5 or higher
4. ACT/SAT score of 20/1030 or higher

Transfer student with 24 credit hours or more

College GPA of 2.0 or higher

UofL Student Switching Major

University GPA of 2.0 or higher

Post-Baccalaureate Student

- Degree posted

Accelerated BA-MPH in Public Health

Undergraduates interested in pursuing the accelerated program option must complete an online degree petition before November 1, near the end of the student's fifth semester (minimum of 75 credit hours).

Students interested in applying are required to have a minimum GPA of 3.25. In addition to submission of the petition, the student must submit a letter of recommendation, preferably from a UofL faculty member, that speaks to their academic abilities. Students applying to the epidemiology concentration will be required to have a strong quantitative background. ACT score, math placement score and MATH 111 or higher course will be considered. Upon receipt of the petition and the letter of recommendation, the MPH program director and a representative from the desired concentration will schedule an interview with the student.

Upon provisional admission to the program, the student must complete a Graduate School admissions application no later than December 1 of the final year of their undergraduate studies and pay the graduate school application fee. Students will be admitted to the School of Interdisciplinary and Graduate Studies (SIGS) provisionally based upon successful completion of their undergraduate degree. Submission of the remainder of the MPH admissions requirements should be completed during the semester that the student will receive their undergraduate degree. Application requirements are:

- Two letters of recommendation written within the last twelve months (one from a faculty member of the undergraduate UofL public health program).
- Overall GPA for the undergraduate degree (including the core courses) must be a minimum of 3.0, and students must have made a grade of B or better in each of the MPH core courses taken.
- Official transcripts of all degrees or course work completed at UofL and any coursework completed from other institutions prior to matriculation at UofL.
- One-page personal statement written by the applicant that is a clear, substantive description of his or her goals in public health, noting any professional or research experience.
- There is no GRE requirement.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31
The following courses are required by the program and can be taken to satisfy the respective General Education Requirement:		
PHPH 301	Global Public Health - D2, SBH	
PHPB 301	Health Equity - D1, SB	
MATH 111	College Algebra - QR	
	Biology course and lab	

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Supporting Courses		
	Foreign Language ¹	6-8
	Minimum Total Hours	6-8

Program Requirements

Code	Title	Hours
Public Health Program Core		
PHPH 100	Majoring in Public Health	1
PHPB 301	Health Equity - D1, SB ²	3
PHPB 305	Public Health Education Principles and Strategies	3
PHPH 301	Global Public Health - D2, SBH ²	3
PHPH 420	Practice of Public Health	3
PHPH 431	Contemporary Issues in Public Health I	3
PHPH 432	Contemporary Issues in Public Health II	3
PHEH 440	Biology for Population Health	3
PHPH 491	Senior Capstone 1 - CUE	3
PHPH 492	Senior Capstone 2 - CUE	3
PHPH 401	Public Health and Health Policy	3
PHPH 410	Public Health Law and Ethics	3
	One of the following:	3
PHST 301	Quantitative Methods in Public Health ³	
PHST 500	Introduction to Biostatistics for Health Sciences I (Accelerated BA-MPH students only)	
	One of the following:	3
PHPB 300	Social and Behavioral Foundations of Public Health ³	
PHPB 501	Introduction to Public Health Behavior (Accelerated BA-MPH students only)	
	One of the following:	3
PHEP 441	Epidemiological Concepts and Methods for Public Health ³	
PHEP 501	Introduction to Epidemiology (Accelerated BA-MPH students only)	
	One of the following:	3

PHMS 301	Introduction to the U.S. Healthcare Delivery Systems ³	
PHMS 501	Introduction to Public Health Practice and Administration (Accelerated BA-MPH students only)	
One of the following:		3
PHEH 301	Public Health and Our Environment ³	
PHEH 500	Introduction to Environmental and Occupational Health Sciences (Accelerated BA-MPH students only)	
Supporting Courses		
MATH 111	College Algebra - QR	3
Biology Course & Lab (e.g., BIOL 102 & BIOL 104 or higher)		4
Electives		
General Electives (any level) ^{1,4}		23-25
General Electives (300-level or above)		2
Minimum Total Hours		81-83

Code	Title	Hours
Degree Total		120

For this degree, the following apply for courses counting toward the degree:

- A course that meets a requirement for more than one of general education may be counted toward at most two requirement areas.
- The credit-hour requirement, however, is not altered by double-counting courses in two different requirement areas and must be fulfilled with electives.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing the following:		
PHPH 491	Senior Capstone 1 - CUE	
PHPH 492	Senior Capstone 2 - CUE	

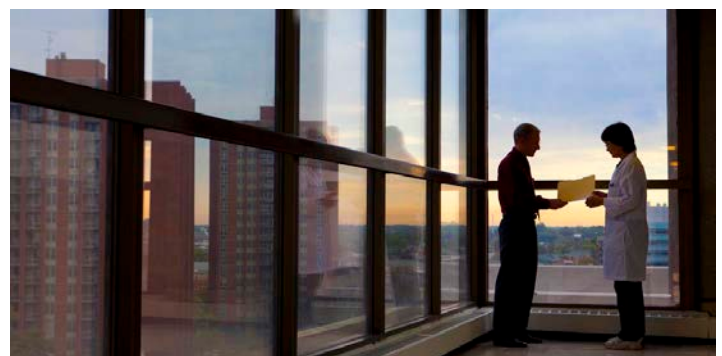
- ¹ If 6 hours are taken for foreign language, additional hours of electives (any level) are required.
- ² Students who have satisfied these General Education requirements through other coursework may be exempted from taking these courses.
- ³ Substitute 500-level course listed is for students admitted to the Accelerated BA-MPH program.
- ⁴ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
PHPH 100	Majoring in Public Health	1
PHPB 301	Health Equity - D1, SB	3
General education requirements/electives/programmatic requirements		11
Hours		15
Spring		
PHPH 301	Global Public Health - D2, SBH	3

PHPB 300 or PHPB 501	Social and Behavioral Foundations of Public Health or Introduction to Public Health Behavior	3
General education requirements/electives/programmatic requirements		9
Hours		15
Year 2		
Fall		
PHPB 305	Public Health Education Principles and Strategies	3
PHMS 301 or PHMS 501	Introduction to the U.S. Healthcare Delivery Systems or Introduction to Public Health Practice and Administration	3
General education requirements/electives/programmatic requirements		9
Hours		15
Spring		
PHEH 440	Biology for Population Health	3
PHPH 401	Public Health and Health Policy	3
General education requirements/electives/programmatic requirements		9
Hours		15
Year 3		
Fall		
PHST 301 or PHST 500	Quantitative Methods in Public Health or Introduction to Biostatistics for Health Sciences I	3
PHPH 431	Contemporary Issues in Public Health I	3
PHEH 301 or PHEH 500	Public Health and Our Environment or Introduction to Environmental and Occupational Health Sciences	3
General education requirements/electives/programmatic requirements		6
Hours		15
Spring		
PHEP 441 or PHEP 501	Epidemiological Concepts and Methods for Public Health or Introduction to Epidemiology	3
PHPH 420	Practice of Public Health	3
General education requirements/electives/programmatic requirements		9
Hours		15
Year 4		
Fall		
PHPH 491	Senior Capstone 1 - CUE	3
PHPH 432	Contemporary Issues in Public Health II	3
General education requirements/electives/programmatic requirements		9
Hours		15
Spring		
PHPH 492	Senior Capstone 2 - CUE	3
PHPH 410	Public Health Law and Ethics	3
General education requirements/electives/programmatic requirements		9
Hours		15
Minimum Total Hours		120

Public Health (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Public Health

Unit: Public Health and Information Sciences (<http://louisville.edu/sphis>)
Academic Plan Code(s): PH_ _BS

Program Information

The School of Public Health and Information Sciences (SPHIS) offers two undergraduate degree options: Bachelor of Science in Public Health for students focused on public health practice and Bachelor of Arts in Public Health for liberal studies.

A degree in public health provides students with the skills they need to improve the health of populations and communities, as well as alleviate suffering caused by disease, injuries and health disparities. Public Health majors learn how to inquire, challenge and explore options that promote the health and well-being of the community.

A BS in Public Health prepares students for positions in specific sectors of public health, health services, and public policy, with career opportunities in health education, health care administration, health research, environmental health, and more. Examples of job settings could include colleges and universities, federal and state health agencies, and community and international organizations. Both degrees prepare students for advanced degrees in public health, law, and clinical health professions (i.e., PA, PT, Nursing, Pharmacy, Medicine, and Dentistry).

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	6-8
	Program/Major Requirements ¹	81-83
	Minimum Total Hours	120

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the school, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission requirements depend on a student’s educational and public health experience, outlined as follows:

Entering First-Year Students

1. Either of the following:
 - a. Graduation from accredited high school
 - b. Successful completion of General Education Development (GED) tests
2. High school GPA of 2.5 or higher
3. ACT/SAT score of 20/1030 or higher

Transfer Students

Transfer students with fewer than 24 credit hours

1. College GPA of 2.0 or higher
2. Either of the following:
 - a. Graduation from accredited high school
 - b. Successful completion of General Education Development (GED) tests
3. High school GPA of 2.5 or higher
4. ACT/SAT score of 20/1030 or higher

Transfer student with 24 credit hours or more

College GPA of 2.0 or higher

UofL Student Switching Major

University GPA of 2.0 or higher

Post-baccalaureate Student

- Degree posted

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are either required by the program or can be taken to fulfill a requirement within the program, and can be taken to fulfill the respective General Education Requirement:

PHPH 301	Global Public Health - D2, SBH	
PHPB 301	Health Equity - D1, SB	
ENGL 101	Introduction to College Writing - WC	
ENGL 102	Intermediate College Writing - WC	
	or ENGL 105 Advanced Composition for Freshmen - WC	
BIOL 102	Biology: Current Issues and Applications - S	
& BIOL 104	Laboratory for Biology: Current Issues and Applications - SL ¹	
MATH 111	College Algebra - QR	
	One course from the following:	
CHEM 101	Introduction to Chemistry - S	
CHEM 105	Chemistry for Health Professionals - S	
CHEM 201	General Chemistry I - S	
PHYS 111	Elements of Physics - B	
PHYS 221	Fundamentals of Physics I - S	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
	Foreign Language ²	6-8
	Minimum Total Hours	6-8

Program Requirements

Code	Title	Hours
Public Health Program Core		
PHPH 100	Majoring in Public Health	1
PHST 301	Quantitative Methods in Public Health	3
PHPB 300	Social and Behavioral Foundations of Public Health	3
PHPB 301	Health Equity - D1, SB ³	3
PHPH 301	Global Public Health - D2, SBH	3
PHPH 420	Practice of Public Health	3
PHPH 431	Contemporary Issues in Public Health I	3
PHPH 432	Contemporary Issues in Public Health II	3
PHEH 440	Biology for Population Health (waived and replaced with any 300 level and above biology course if taken BIOL 257 or BIOL 357) ⁴	3
PHEP 441	Epidemiological Concepts and Methods for Public Health	3
PHPH 491	Senior Capstone 1 - CUE	3
PHPH 492	Senior Capstone 2 - CUE	3
PHPH 401	Public Health and Health Policy	3
PHMS 301	Introduction to the U.S. Healthcare Delivery Systems	3
PHEH 301	Public Health and Our Environment	3
PHPB 305	Public Health Education Principles and Strategies	3
PHPH 410	Public Health Law and Ethics	3
Supporting Courses		
ENGL 101	Introduction to College Writing - WC	3
ENGL 102	Intermediate College Writing - WC	3
	or ENGL 105 Advanced Composition for Freshmen - WC	
MATH 111	College Algebra - QR	3
BIOL 102 & BIOL 104	Biology: Current Issues and Applications - S & Laboratory for Biology: Current Issues and Applications - SL	4
Select one of the following courses:		3-4
CHEM 101	Introduction to Chemistry - S ⁵	
CHEM 105	Chemistry for Health Professionals - S ⁵	
CHEM 201	General Chemistry I - S ⁵	
PHYS 111	Elements of Physics - B ⁵	
PHYS 221	Fundamentals of Physics I - S ⁵	
Electives		
General Electives (any level) ^{2,6}		13-16
General Electives (300-level or above)		2
Minimum Total Hours		81-83
Code	Title	Hours
Degree Total		120

For this degree, the following apply for courses counting toward the degree:

- A course that meets a requirement for more than one of general education may be counted toward at most two requirement areas.

- The credit-hour requirement, however, is not altered by double-counting courses in two different requirement areas and must be fulfilled with electives.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing the following:		
PHPH 491	Senior Capstone 1 - CUE	3
PHPH 492	Senior Capstone 2 - CUE	3

- ¹ Or higher level biology course with lab.
- ² If 6 hours are taken for foreign language, additional hours of electives (any level) are required.
- ³ Students who have satisfied these General Education requirements through other coursework may be exempted from taking these courses.
- ⁴ Waived and replaced with any 300-level (or above) biology course for students who have taken BIOL 257 or BIOL 357.
- ⁵ Or higher chemistry course or another approved non-biological science course; students selecting a 4-hour course may require fewer general electives to satisfy the minimum hours for the degree.
- ⁶ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
PHPH 100	Majoring in Public Health	1
PHPB 301	Health Equity - D1, SB	3
General education requirements/electives/programmatic requirements		11
Hours		15
Spring		
PHPH 301	Global Public Health - D2, SBH	3
PHPB 300	Social and Behavioral Foundations of Public Health	3
General education requirements/electives/programmatic requirements		9
Hours		15
Year 2		
Fall		
PHPB 305	Public Health Education Principles and Strategies	3
PHMS 301	Introduction to the U.S. Healthcare Delivery Systems	3
General education requirements/electives/programmatic requirements		9
Hours		15
Spring		
PHEH 440	Biology for Population Health	3
PHPH 401	Public Health and Health Policy	3
General education requirements/electives/programmatic requirements		9
Hours		15
Year 3		
Fall		
PHST 301	Quantitative Methods in Public Health	3
PHPH 431	Contemporary Issues in Public Health I	3
PHEH 301	Public Health and Our Environment	3
General education requirements/electives/programmatic requirements		6
Hours		15
Spring		
PHEP 441	Epidemiological Concepts and Methods for Public Health	3
PHPH 420	Practice of Public Health	3

General education requirements/electives/programmatic requirements	9
Hours	15
Year 4	
Fall	
PHPH 491 Senior Capstone 1 - CUE	3
PHPH 432 Contemporary Issues in Public Health II	3
General education requirements/electives/programmatic requirements	9
Hours	15
Spring	
PHPH 492 Senior Capstone 2 - CUE	3
PHPH 410 Public Health Law and Ethics	3
General education requirements/electives/programmatic requirements	9
Hours	15
Minimum Total Hours	120

Program/Major Requirements ¹	60
Minimum Total Hours	120

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Entering First-Year Students to Lower Division BSW

- Either of the following:
 - Graduation from accredited high school
 - Successful completion of General Education Development (GED) tests
- High school GPA of 2.5 or higher
- Pre-College Curriculum (PCC) GPA of 2.5 or higher
- ACT/SAT score of 20/1020 or higher
- Students with admission criteria below the above standards are admitted to Pre-Social Work in the Exploratory Division

Transfer Students to Lower Division

Transfer students with fewer than 24 credit hours

- College GPA of 2.5 or higher
- Either of the following:
 - Graduation from accredited high school
 - Successful completion of General Education Development (GED) tests
- High school GPA of 2.5 or higher
- Pre-College Curriculum (PCC) GPA of 2.5 or higher
- ACT/SAT score of 20/1020 or higher

Transfer student with 24 credit hours or more

College GPA of 2.5 or higher

UofL Student Switching Major

University GPA of 2.5 or higher, please use major change form on ULink at Louisville.edu

Post-baccalaureate Student

- College cumulative GPA of 2.5
- Applicants with higher GPAs are encouraged to apply to the MSSW program

Upper Division BSW Students

Requires internal application from Kent School. Must have 45 hours of college credit, a minimum of 2.5 GPA. The packet consists of a personal statement, secondary application, resume, and 2 letters of recommendation directly to Kent School BSW Program. Transfer student must submit undergraduate application, all college transcripts to UL Admissions. This is a competitive program approved by the department.

Must meet application deadline: Priority deadline, February 1; Final deadline, May 1 for following Fall acceptance to Upper Division. Late

Social Work (BSW)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Social Work

Unit: Kent School of Social Work (KE) (<http://louisville.edu/kent>)
Academic Plan Code(s): SW_ _BSW, SW_ _BSWO

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Bachelor of Social Work program at the Kent School of Social Work prepares students for entry-level professional social work practice. It also provides the foundation for graduate study in social work. The program is accredited by the Council on Social Work Education (CSWE).

The BSW Program Curriculum builds on a liberal arts base. The curriculum is designed to promote the development of generalist social work knowledge and skills in using critical thinking to analyze, plan and implement effective interventions to address complex social problems and the subsequent impact on individuals, families, groups, organizations and communities. Students gain experience through service learning and social work practicum.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements ¹	29

applications will be accepted on a case-by-case basis, please contact the BSW Department for approval to apply late (BSWKent@louisville.edu). Applicants need to apply directly to Kent School BSW Program before the application deadline.

Admissions to the Lower Division does not guarantee admission to the Upper Division

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31

The following courses are required by the program and should be taken to fulfill the respective General Education requirement:

- SOC 202 Social Problems - D1, SB (SOC 202 satisfies 3 hours of SB and D1 General Education Requirement)
- or SOC 201 Introduction to Sociology - SB
- or SOC 203 Introduction to Social Psychology - SB

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Social Work Lower Division Requirements⁴

Code	Title	Hours
SW 101	Social Work Orientation	1
SW 201	Introduction to Social Work - D1, SB	3
PSYC 201	Introduction to Psychology - SB	3
Select one of the following:		3
SW 203	Human Biology for Social Sciences (suggested)	
HSS 202	Human Anatomy & Physiology ²	
PSYC 344	Physiological Psychology	
Select one of the following Sociology courses:		3
SOC 201	Introduction to Sociology - SB	
SOC 202	Social Problems - D1, SB	
SOC 203	Introduction to Social Psychology - SB	
Select one of the following Statistics courses:		3
SW 204	Introduction to Social Statistics (suggested)	
MATH 109	Elementary Statistics - QR ²	
PSYC 301	Statistics for Psychology ²	
SOC 301	Introduction to Social Statistics ²	
CJ 326	Quantitative Analysis - QR	
General electives ³		22
Minimum Total Hours		38

Program/Major Requirements

Social Work Upper Division Requirements

Course	Title	Hours
Year 3		
Fall		
SW 302	Social Welfare Institutions, Policies and Services	3

SW 303	Generalist Practice I	3
SW 301	Human Behavior and the Social Environment I	3
Intro to SW (SW201) if not taken in Lower Division or Upper Division Social Work Elective ⁵		3
Upper Division Social Work Elective ⁵		3
Hours		15
Spring		
SW 322	Issues in Policy and Service Delivery	3
SW 304	Generalist Practice II	3
SW 319	Human Behavior and the Social Environment II	3
SW 307	Diversity, Oppression and Social Justice Practice ⁶	3
Upper Division Social Work Elective ⁵		3
Hours		15
Year 4		
Fall		
SW 405	Generalist Practice III	3
SW 470	Practicum I ⁶	3
SW 472	Practicum Seminar and Lab I - CUE	3
SW 426	Introduction to Social Work Research	3
Upper Division Social Work Elective ⁵		3
Hours		15
Spring		
SW 406	Generalist Practice IV	3
SW 471	Practicum II ⁶	3
SW 473	Practicum Seminar and Lab II	3
Upper Division Social Work Elective ⁵		3
Upper Division Social Work Elective ⁵		3
Hours		15
Minimum Total Hours		60

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
SW 472	Practicum Seminar and Lab I - CUE	

- ¹ Six (6) hours of Diversity (D1/D2) coursework is required. If these competency areas are not covered as part of the program requirements and/or general elective coursework, 6 additional hours will be needed to fulfill the University of Louisville competency-area requirements.
- ² Or equivalent as approved/decided by the unit
- ³ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.
- ⁴ Students must have a minimum total of 60 credit hours to complete the Lower Division requirements.
- ⁵ Three of the five Upper Division Social Work Elective courses may be from the College of Arts and Sciences, Division of Social Sciences (minimum 300 level). Please contact the BSW Advising Team should you have questions.
- ⁶ The Upper Division BSW Program curriculum has changed for students entering for Summer/Fall 2019. Students will be required to take SW 307 Diversity, Oppression and Social Justice Practice and five Upper Division Electives to meet the total credit hours of 120. Practicum I and II are now 3 credit hours each.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
SW 101	Social Work Orientation	1
ENGL 101	Introduction to College Writing - WC	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		1
MATH 105	Quantitative Reasoning - QR (or other Cardinal Core Quantitative Reasoning course)	3
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
HIST 101	History of Civilizations I - D2, SBH	3
or HIST 102	or History of Civilizations II - D2, SBH	
SW 201	Introduction to Social Work - D1, SB	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		15
Year 2		
Fall		
PSYC 201	Introduction to Psychology - SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		3
General Elective: SOC 210, PAS 200 or WGST 364 suggested		3
Hours		15
Spring		
SOC 202	Social Problems - D1, SB	3
General Elective: ANTH 201, GEOG 200, or PAS 206 suggested		3
Select one of the following:		3
HSS 202	Human Anatomy & Physiology	
PSYC 344	Physiological Psychology	
SW 203	Human Biology for Social Sciences (suggested)	
Select one of the following:		3
SW 204	Introduction to Social Statistics (suggested)	
SOC 301	Introduction to Social Statistics	
PSYC 301	Statistics for Psychology	
MATH 109	Elementary Statistics - QR	
CJ 326	Quantitative Analysis - QR	
General Elective		3
Hours		15
Year 3		
Fall		
SW 301	Human Behavior and the Social Environment I	3
SW 302	Social Welfare Institutions, Policies and Services	3
SW 303	Generalist Practice I	3
Intro to SW (SW201) if not taken in Lower Division or Social Work Upper Division elective		3
Upper Division Social Work Elective		3
Hours		15
Spring		
SW 304	Generalist Practice II	3
SW 319	Human Behavior and the Social Environment II	3
SW 322	Issues in Policy and Service Delivery	3
SW 307	Diversity, Oppression and Social Justice Practice	3
Upper Division Social Work Elective		3
Hours		15

Year 4

Fall		
SW 405	Generalist Practice III	3
SW 470	Practicum I	3
SW 472	Practicum Seminar and Lab I - CUE	3
SW 426	Introduction to Social Work Research	3
Social Work Upper Division elective		3
Hours		15
Spring		
SW 406	Generalist Practice IV	3
SW 471	Practicum II	3
SW 473	Practicum Seminar and Lab II	3
Upper Division Social Work Elective		3
Upper Division Social Work Elective		3
Hours		15
Minimum Total Hours		120

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Sociology (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Sociology

Unit: College of Arts and Sciences (AS) (<https://louisville.edu/artsandsciences>)
 Department: Sociology (<http://louisville.edu/sociology>)
 Academic Plan Code(s): SOC_BA, SOC_BA_O

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

Students in the Bachelor of Arts (BA) in Sociology program learn to take an analytical, evidence-driven approach to social issues, as well as gain the interpersonal communication skills necessary to craft persuasive narratives grounded in critical thought. Sociology students focus on diversity and inequality and use their analytical insight into social structures for effective formulation and implementation of democratic social policy.

Those interested in sociology are intrigued by the challenging social issues pervading our world, how society influences and is influenced by them, and how to effectuate change. BA in Sociology students learn how to address these issues through scientific research and application, and, as our world continuously evolves, sociology students are well prepared to offer insight into these changes and how best to accommodate them.

Given the breadth, adaptability, and utility of sociology, employment opportunities are plentiful in social service agencies; federal, state, and local governments; non-profit organizations; and private enterprises

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA in Sociology

The Department of Sociology offers an accelerated master's degree program, which is designed to allow motivated undergraduates the opportunity to earn graduate credit hours in sociology during their senior year. As undergraduates, accelerated students may earn between 6-9 credit hours (taking 2-3 graduate level courses), which are applied toward both the undergraduate degree as well as the graduate degree, allowing students to begin the graduate program in sociology with credits already applied toward their MA degree.

The graduate courses taken during the student's senior year will depend on the courses the student has remaining to complete his/her

undergraduate degree in sociology. The undergraduate advisor works individually with accelerated students regarding their course schedules.

NOTE: Students in the accelerated program in sociology may only apply their graduate credits earned as an undergraduate toward the graduate degree in sociology at UofL.

To be admitted to the program, a student must have: an undergraduate GPA of 3.35 or better at the time of application and satisfactory GRE scores (see Admissions tab for more information).

Departmental Admission Requirements

Admission to the BA in Sociology requires:

1. Completion of SOC 301 with a grade of C or better;
2. Minimum cumulative grade point average of 2.0; and
3. Minimum cumulative grade point average of 2.0 in Sociology, if any courses have been taken.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<https://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA-BS/MA in Sociology Application Procedure

Students must apply during the first or second semester of Junior year (i.e., when they have earned between 70-80 hours) by submitting the following to the Graduate Admissions Office:

- G (<http://louisville.edu/graduate/futurestudents/apply-materials/application>) graduate application (<http://louisville.edu/graduate/futurestudents/apply-materials/application>)
- Two references (preferably from sociology instructors) in the form of a discursive letter of recommendation *and* completion of the Letter of Evaluation form (<https://sharepoint.louisville.edu/sites/SIGS/Documents/grad-rec.pdf>)
- Curriculum vitae (CV) or resume
- GRE scores.

Applicants must also submit to the Department of Sociology responses to the Sociology Graduate Admissions Questionnaire (below).

Responses should be of sufficient length to give the Graduate Admissions Committee a basis for evaluating the student's interest in and ability to complete the program, and provide a sample of the student's writing. Responses can be submitted in four separate essays or combined in one longer essay.

Admissions Questionnaire

1. Please explain your reasons for applying to the accelerated master's program in sociology. What are your professional or occupational objectives (including any study beyond the master of arts in sociology)? How does this department's program fit into those objectives?
2. What areas of sociology do you find especially interesting for study and/or research?
3. What positions of responsibility, if any, have you had, and what, specifically, do you believe you have gained from such experience? Positions may include not only employment, but offices held in organizations, volunteer work, etc.

4. Please summarize what you believe to be your most important accomplishments to date, including those in the academic or occupational areas.

General Education Requirements

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*		31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
SOC 202	Social Problems - D1, SB	
	or SOC 210 Race in the United States - D1, SB	

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
	or GEN 101 Arts and Sciences Orientation	
Foreign Language ¹		12
Electives in Humanities or Natural Sciences ²		9
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Department of Sociology		
SOC 201	Introduction to Sociology - SB	3
SOC 202	Social Problems - D1, SB ⁴	3
	or SOC 210 Race in the United States - D1, SB	
SOC 301	Introduction to Social Statistics	3
SOC 303	Introduction to Research Methods - WR ⁵	3
SOC 320	Social Theory - WR ⁵	3
SOC 323	Diversity and Inequality	3
Environment, Health and Population Studies		
Select ONE (1) of the following: ⁶		
SOC 305	Urban Sociology	
SOC 306	Demography	
SOC 307	Rural Sociology	
SOC 315	Environmental Sociology	
SOC 329	Sociology of Families	
SOC 340	Mental Health and Illness	
SOC 342	Medical Sociology	
SOC 343	Sociology of Women's Health	
SOC 392	Faces of Global Poverty - WR	
SOC 394	Globalization, Culture and Third-World Development	
Social Inequalities, Behavioral and Structural Studies		
Select TWO (2) of the following: ⁶		6

SOC 325	Sociology of Human Sexuality	
SOC 327	Sociology of Gender	
SOC 334	Sociology of Deviant Behavior	
SOC 336	Criminology	
SOC 344	Sociology of Music in Contemporary America	
SOC 346	Sociology of Religion	
SOC 374	Money, Economics and Society - WR	
SOC 380	Animals and Society	
Three (3) Sociology electives at the 400 level		9
Sociology CUE course ⁷		3
Supporting Courses		
Social Sciences Disciplinary Perspectives		
Select TWO (2) of the following:		6
ANTH 201	Introduction to Cultural Anthropology - D2, SB ⁴	
PAS 200	Introduction to Pan-African Studies - D1, SB	
LALS 311	Introduction to Latino Studies - D1, SB	
WGST 201	Women In American Culture - D1, SB	
Electives in Social Sciences other than Sociology of which 6 hours must be at 300 level or above ⁸		12
Minimum Electives ⁹		11
Minimum Total Hours		68

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

Sociology majors may take no more than six hours of "Special Topics" courses in Sociology to meet degree requirements.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
SOC 400	Independent Study - CUE	
SOC 405	Voluntarism - CUE	
SOC 406	Applied Sociology - CUE	
SOC 410	Sociology of Aging - CUE	
SOC 415	Sociology of Death & Dying - CUE	
SOC 425	Sociology of Leisure - CUE	
SOC 435	Medicine, Health and Illness - CUE	
SOC 440	The Health Care System - CUE	
SOC 450	Special Topics in Sociology - CUE	
SOC 454	Social Stratification - CUE, WR	
SOC 455	Sociology of Work - CUE, WR	
SOC 464	Race and Ethnicity - CUE, WR	
SOC 470	Political Sociology - CUE	
SOC 472	Sociology of Education - CUE, WR	
SOC 480	Juvenile Delinquency - CUE	
SOC 499	Senior Honors Thesis - CUE, WR	

- Completion of the intermediate level of a single foreign language
- In addition to courses counted toward General Education; 6 hours must be at 300 level or above
- May be incorporated into other degree requirements

- 4 May be used to satisfy a General Education: Cardinal Core requirement.
- 5 SOC 303 (<http://catalog.louisville.edu/search/?P=SOC%20303>) and SOC 320 (<http://catalog.louisville.edu/search/?P=SOC%20320>) must be completed with a grade of C or better.
- 6 SOC 350 may be used to satisfy this degree requirement depending on the appropriateness of its topic and with the department undergraduate advisor's approval. Other sociology electives may be substituted upon approval from the department undergraduate advisor.
- 7 The list of approved CUE courses appears above.
- 8 In addition to courses counted toward general education
- 9 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SOC 201	Introduction to Sociology - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities - AH		3
Select one of the following:		3
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
LALS 310	Introduction to Latin American Studies - D2, SB	
PAS 200	Introduction to Pan-African Studies - D1, SB	
WGST 201	Women In American Culture - D1, SB	
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 1		4
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
SOC 202 or SOC 210	Social Problems - D1, SB or Race in the United States - D1, SB	3
Hours		17
Year 2		
Fall		
Foreign Language 2		4
General Education: Cardinal Core Oral Communication - OC		3
SOC 301	Introduction to Social Statistics	3
General Education: Cardinal Core Natural Sciences - S		3
Select one of the following:		3
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
LALS 310	Introduction to Latin American Studies - D2, SB	
PAS 200	Introduction to Pan-African Studies - D1, SB	
WGST 201	Women In American Culture - D1, SB	
Hours		16
Spring		
SOC 303	Introduction to Research Methods - WR	3
SOC 323	Diversity and Inequality	3
Foreign Language 3		4
Humanities or Natural Science elective		3

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Hours		16
Year 3		
Fall		
SOC 320	Social Theory - WR	3
Humanities or Natural Science elective (300 level or above)		3
Environment, Health, and Population Studies elective (300 level or above)		3
Social Science WR elective (300 level or above)		3
General elective		3
Hours		15
Spring		
Humanities or Natural Science elective (300 level or above)		3
Social Inequalities, Behavioral, and Structural Studies elective		3
Sociology elective (400 level)		3
Social Science WR elective (300 level or above)		3
General elective		3
Hours		15
Year 4		
Fall		
Sociology elective from Social Inequalities, Behavioral, and Structural Studies		3
Sociology elective (400 level)		3
Social Science elective (300 level or above)		3
General elective (300 level or above)		3
General elective (300 level or above)		3
Hours		15
Spring		
Sociology elective (400 level and CUE)		3
Sociology elective (400 level)		3
Social Science elective (300 level or above)		3
General elective		3
Hours		12
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Sociology (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Sociology

Unit: College of Arts and Sciences (AS) (<https://louisville.edu/artsandsciences>)

Department: Sociology (<http://louisville.edu/sociology>)

Academic Plan Code(s): SOC_BS

Program Information

Sociology students learn how to address these issues through scientific research and application, and, as our world continuously evolves. Sociology majors are well prepared to offer insight into these changes and how best to accommodate them. Sociology majors are offered a rich environment within which to develop skills in critical thinking, analytic problem-solving, and communication that are required by employers and/or that prepare them for a range of graduate programs.

Given the training in research methods, statistics, and topical areas, employment opportunities for sociology majors are plentiful in social service agencies; federal, state, and local governments; nonprofit organizations; and private enterprises. The emerging global economic order and the increased complexity of corporate cultures promise to open even more opportunities for our graduates. Some sociology majors help companies develop global marketing strategies, and others work to enhance the culture and organization of corporations.

Sociology students pursue careers in a variety of fields: business, child welfare, computer industry, criminal justice, education (teaching, evaluation research, consultation, research), gerontology, health care, international relations, law, law enforcement, leisure/recreation/sport, military/military intelligence, social work, and urban planning or management, and more.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13-15

Program/Major Requirements ¹	75-77
Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA in Sociology

The Department of Sociology offers an accelerated master's degree program, which is designed to allow motivated undergraduates the opportunity to earn graduate credit hours in sociology during their senior year. As undergraduates, accelerated students may earn between 6-9 credit hours (taking 2-3 graduate level courses), which are applied toward both the undergraduate degree as well as the graduate degree, allowing students to begin the graduate program in sociology with credits already applied toward their MA degree.

The graduate courses taken during the student's senior year will depend on the courses the student has remaining to complete his/her undergraduate degree in sociology. The undergraduate advisor works individually with accelerated students regarding their course schedules.

NOTE: Students in the accelerated program in sociology may only apply their graduate credits earned as an undergraduate toward the graduate degree in sociology at UofL.

To be admitted to the program, a student must have: an undergraduate GPA of 3.35 or better at the time of application and satisfactory GRE scores (see Admissions tab for more information).

Departmental Admission Requirements

Admission to the BS in Sociology requires:

1. Completion of SOC 301 with a grade of C or better
2. Minimum cumulative grade point average of 2.0
3. Minimum cumulative grade point average of 2.0 in Sociology, if any courses have been taken.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA-BS/MA in Sociology Application Procedure

Students must apply during the first or second semester of Junior year (i.e., when they have earned between 70-80 hours) by submitting the following to the Graduate Admissions Office:

- G (<http://louisville.edu/graduate/futurestudents/apply-materials/application>) graduate application (<http://louisville.edu/graduate/futurestudents/apply-materials/application>)
- Two references (preferably from sociology instructors) in the form of a discursive letter of recommendation *and* completion of the Letter of Evaluation form (<https://sharepoint.louisville.edu/sites/SIGS/Documents/grad-rec.pdf>)

- Curriculum vitae (CV) or resume
- GRE scores.

Applicants must also submit to the Department of Sociology responses to the Sociology Graduate Admissions Questionnaire (below).

Responses should be of sufficient length to give the Graduate Admissions Committee a basis for evaluating the student's interest in and ability to complete the program, and provide a sample of the student's writing. Responses can be submitted in four separate essays or combined in one longer essay.

Admissions Questionnaire

1. Please explain your reasons for applying to the accelerated master's program in sociology. What are your professional or occupational objectives (including any study beyond the master of arts in sociology)? How does this department's program fit into those objectives?
2. What areas of sociology do you find especially interesting for study and/or research?
3. What positions of responsibility, if any, have you had, and what, specifically, do you believe you have gained from such experience? Positions may include not only employment, but offices held in organizations, volunteer work, etc.
4. Please summarize what you believe to be your most important accomplishments to date, including those in the academic or occupational areas.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31
The following courses are required by the program and can satisfy the respective General Education Requirement:		
SOC 202	Social Problems - D1, SB	
or SOC 210	Race in the United States - D1, SB	

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Foreign Language ¹		6-8
Electives in Humanities or Natural Sciences at 300-level or above ²		6
WR—two approved courses at the 300 level or above ³		
Minimum Total Hours		13-15

Program/Major Requirements

Code	Title	Hours
Department of Sociology		
SOC 201	Introduction to Sociology - SB	3

SOC 202	Social Problems - D1, SB ⁴	3
or SOC 210	Race in the United States - D1, SB	
SOC 301	Introduction to Social Statistics	3
SOC 303	Introduction to Research Methods - WR	3
SOC 320	Social Theory - WR	3
SOC 323	Diversity and Inequality	3
Environment, Health and Population Studies		3
Select ONE (1) of the following: ⁵		
SOC 305	Urban Sociology	
SOC 306	Demography	
SOC 307	Rural Sociology	
SOC 315	Environmental Sociology	
SOC 329	Sociology of Families	
SOC 340	Mental Health and Illness	
SOC 342	Medical Sociology	
SOC 343	Sociology of Women's Health	
SOC 392	Faces of Global Poverty - WR	
SOC 394	Globalization, Culture and Third-World Development	
Social Inequalities, Behavioral and Structural Studies		6
Select TWO (2) of the following: ⁵		
SOC 325	Sociology of Human Sexuality	
SOC 327	Sociology of Gender	
SOC 334	Sociology of Deviant Behavior	
SOC 336	Criminology	
SOC 344	Sociology of Music in Contemporary America	
SOC 346	Sociology of Religion	
SOC 374	Money, Economics and Society - WR	
SOC 380	Animals and Society	
Sociology elective at 200 level or above		3
Sociology electives at the 400 level		12
SOC 400	Independent Study - CUE	3
or SOC 405	Voluntarism - CUE	
Supporting Courses		
Electives in Division of Social Sciences, other than Sociology, of which 6 hours must be at the 300 level or above ⁶		21
Social Sciences Disciplinary Perspectives		3
Select ONE (1) of the following:		
ANTH 201	Introduction to Cultural Anthropology - D2, SB ⁴	
PAS 200	Introduction to Pan-African Studies - D1, SB	
LALS 311	Introduction to Latino Studies - D1, SB	
WGST 201	Women In American Culture - D1, SB	
Minimum Electives ⁷		6-8
Minimum Total Hours		75-77

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

Sociology majors may take no more than six hours of "Special Topics" courses in sociology to meet degree requirements.

At least 50 of the total minimum hours required must be at the 300 level or above.

Completion of this degree requires completion of SOC 303 and SOC 320 with a grade of C or better.

Code	Title	Hours
Culminating Undergraduate Experience (For students admitted Summer 2014 or later)		
Requirement fulfilled by completing one of the following:		
SOC 400	Independent Study - CUE	
SOC 405	Voluntarism - CUE	
SOC 406	Applied Sociology - CUE	
SOC 410	Sociology of Aging - CUE	
SOC 415	Sociology of Death & Dying - CUE	
SOC 425	Sociology of Leisure - CUE	
SOC 435	Medicine, Health and Illness - CUE	
SOC 440	The Health Care System - CUE	
SOC 450	Special Topics in Sociology - CUE	
SOC 454	Social Stratification - CUE, WR	
SOC 455	Sociology of Work - CUE, WR	
SOC 464	Race and Ethnicity - CUE, WR	
SOC 470	Political Sociology - CUE	
SOC 472	Sociology of Education - CUE, WR	
SOC 480	Juvenile Delinquency - CUE	
SOC 499	Senior Honors Thesis - CUE, WR	

- ¹ Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- ² In addition to courses counted toward General Education
- ³ May be incorporated into other degree requirements
- ⁴ May be used to satisfy a General Education requirement.
- ⁵ SOC 350 may be used to satisfy this degree requirement depending on the appropriateness of its topic and with the department undergraduate advisor's approval. Other sociology electives may be substituted upon approval from the department undergraduate advisor.
- ⁶ In addition to courses counted toward general education
- ⁷ Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SOC 201	Introduction to Sociology - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 1		3-4
Select one of the following:		3
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
LALS 310	Introduction to Latin American Studies - D2, SB	
PAS 200	Introduction to Pan-African Studies - D1, SB	
WGST 201	Women In American Culture - D1, SB	
Hours		16-17
Spring		
ENGL 102	Intermediate College Writing - WC	3
Foreign Language 2		3-4
General Education: Cardinal Core Arts & Humanities - AH		3

General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - L		1
SOC 202 or SOC 210	Social Problems - D1, SB or Race in the United States - D1, SB	3
Hours		16-17
Year 2		
Fall		
SOC 301	Introduction to Social Statistics	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Natural Sciences - S		3
Sociology elective (200 level)		3
Hours		15
Spring		
SOC 303	Introduction to Research Methods - WR	3
SOC 323	Diversity and Inequality	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Social Science elective		3
Social Science elective		3
Hours		15
Year 3		
Fall		
SOC 320	Social Theory - WR	3
Humanities or Natural Science elective (300 level or above)		3
Environment, Health and Population Studies elective (300 level)		3
Social Inequalities, Behavioral, and Structural Studies elective (300 level)		3
Social Science WR elective		3
Hours		15
Spring		
Sociology elective from Social Inequalities, Behavioral, and Structural Studies		3
General elective		3
Sociology elective (400 level)		3
Social Science elective (300 level or above)		3
Social Science WR elective		3
Hours		15
Year 4		
Fall		
Sociology elective (400 level)		3
Sociology elective (400 level)		3
Social Science elective		3
Social Science elective (300 level or above)		3
General elective		3
Hours		15
Spring		
SOC 400 or SOC 405	Independent Study - CUE or Voluntarism - CUE	3
Sociology elective (400 level)		3
Social Science elective (300 level)		3
General elective		3
General elective		3
Hours		15
Minimum Total Hours		122-124

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

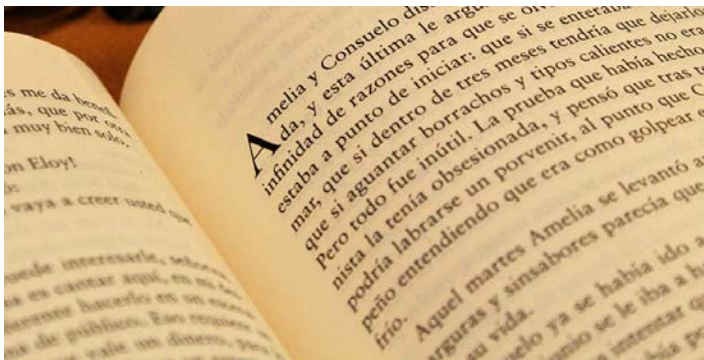
1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Spanish (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Spanish

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://www.louisville.edu/modernlanguages>)
Academic Plan Code(s): SPANBA

Program Information

The Spanish program offers two options for students wishing to complete the Spanish Major.

The Spanish as a Second Language (SL) serves students whose primary experience with Spanish has been in the classroom. Students may place into SPAN 201 or higher through the online placement (<http://louisville.edu/modernlanguages/placement-exam/spanish-french-russian-and-german-placement-exam.html>) exam. (<http://louisville.edu/modernlanguages/placement-exam/spanish-french-russian-and-german-placement-exam.html>)

The Spanish as a Heritage Language (HL) offers courses for individuals who grew up in Spanish-speaking environments and are able to communicate, to some extent, in more than one language. Some students are immigrants who have recently arrived in the United States and have had extensive schooling in their native countries. Others are first-, second-, or third-generation bilinguals whose abilities in the heritage language vary widely. Placement into Heritage Learner courses is done

through departmental evaluation (<http://louisville.edu/modernlanguages/placement-exam/spanish-heritage-learners>).

Both the Second Language and Heritage Language options offer 300-level courses that are designed to meet the language needs of both groups and to prepare them for the 400- and 500-level courses that are required for both tracks.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)		31
College/School Requirements		22
Program/Major Requirements		68
Minimum Total Hours		121

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA/MA (Master of Arts) in Spanish

The combined BA/MA program is an accelerated option for motivated and highly prepared students who wish to prepare themselves for the global economy, a multicultural community, and a changing workplace through the study of language, culture, linguistics, translation, interpretation, and Spanish in the workplace. It seeks to prepare our students to speak the language in a variety of settings, and to use linguistics skills and cultural knowledge for both academic and non-academic careers.

Students accepted into the combined BA/MA program will complete all the coursework for the Spanish BA. However, during their senior year, students will take three graduate level courses, which will meet both undergraduate and graduate requirements in Spanish. Students remain enrolled as undergraduate students until completion of the BA. At that point, they are officially admitted to the graduate program, and enroll as graduate students for the remainder of the coursework for the MA.

Students accepted into the program will be eligible to apply for Graduate Assistantships. Assistantships can only be awarded for the year following completion of the undergraduate degree.

Interested students should be in their junior (third) year of undergraduate work (with no more than 90 degree applicable hours), with an overall GPA of 3.35 (see Admissions tab for more information).

Departmental Admission Requirements

Admission to the BA in Spanish requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA/MA (Master of Arts) in Spanish

At the time of application, students must have:

- A 3.35 undergraduate GPA
- Completed required 300-level SPAN courses (e.g., SPAN 321) with grades of B or better.

It is also recommended that students have completed one course at the 400 level before applying.

Students should contact the Spanish graduate advisor for more information.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	12
	Electives in Natural Sciences or Social Sciences ²	9
	WR—two approved courses at the 300 level or above ³	
Minimum Total Hours		22

Program/Major Requirements

Code	Title	Hours
Spanish Core Courses		
SPAN 201 & SPAN 202 or SPAN 205	Intermediate Spanish I Intermediate Spanish II Intensive Intermediate Spanish for Heritage Learners	6
Select one of the following sequences:		6-12
Sequence One:		
SPAN 305	Spanish Grammar in Context	
SPAN 310	Readings and Writing in Spanish I	
SPAN 311	Cultural Readings and Writing in Spanish II	
SPAN 321	Communication and Conversation in Spanish	
Sequence Two:		
SPAN 325	Bridging Linguistic Registers for Heritage Learners of Spanish	
SPAN 335	Advanced Spanish for Heritage Learners	
Select two of the following:		6
SPAN 401	Foundations of Spanish Civilization	
SPAN 402	Cultural and Literary Perspectives on Modern Spain	
SPAN 403	Foundations of Latin American Nations and Identities	

SPAN 404	Cultural and Literary Perspectives on Modern Latin America	
SPAN 490	Spanish Capstone Seminar - CUE, WR	3
SPAN 524	Introduction to Hispanic Linguistics	3
Spanish electives at the 300 level or above		6-9
Supporting Courses		
Electives in Humanities Division disciplines, other than Spanish, at 300 level or above ⁴		9
Minimum Electives		23-26
Minimum Total Hours		68

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
SPAN 490	Spanish Capstone Seminar - CUE, WR	
¹	Completion of the intermediate level of a single foreign language	
²	In addition to courses counted toward General Education; 6 hours must be at 300 level or above	
³	May be incorporated into other degree requirements	
⁴	Majors in one foreign language may count courses at the 300 level or above in another foreign language toward this requirement.	

No more than 40 hours in Spanish may be applied toward the Bachelor of Arts degree. SPAN 121, SPAN 122, and SPAN 123 and SPAN 141 and SPAN 142 do not count toward the 40 hour maximum in Spanish.

At least 50 of the total minimum hours required must be at the 300 level or above.

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SPAN 201	Intermediate Spanish I	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
Hours		14
Spring		
ENGL 102	Intermediate College Writing - WC	3
SPAN 202	Intermediate Spanish II	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences US Diversity - SBD1		3
General Education: Cardinal Core Oral Communication - OC		3
Hours		15
Year 2		
Fall		
SPAN 305	Spanish Grammar in Context	3
SPAN 310	Readings and Writing in Spanish I	3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Education: Cardinal Core Arts & Humanities - AH		3
General Elective		3
Hours		15
Spring		
SPAN 311	Cultural Readings and Writing in Spanish II	3
SPAN 321	Communication and Conversation in Spanish	3

General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	3
Humanities elective (300 level or above)	3
General Elective	3
Hours	15
Year 3	
Fall	
Select one of the following:	3
SPAN 401 Foundations of Spanish Civilization	
SPAN 402 Cultural and Literary Perspectives on Modern Spain	
SPAN 403 Foundations of Latin American Nations and Identities	
SPAN 404 Cultural and Literary Perspectives on Modern Latin America	
SPAN 405 Introduction to Literary Analysis	3
Social Science or Natural Science Elective	3
General Elective	3
General Elective	3
Hours	15
Spring	
Spanish Elective (300 level or above)	3
Humanities Elective (300 level or above)	3
Select one of the following:	3
SPAN 401 Foundations of Spanish Civilization	
SPAN 402 Cultural and Literary Perspectives on Modern Spain	
SPAN 403 Foundations of Latin American Nations and Identities	
SPAN 404 Cultural and Literary Perspectives on Modern Latin America	
Social Science or Natural Science elective (300 level or above)	3
General Elective	3
Hours	15
Year 4	
Fall	
SPAN 524 Introduction to Hispanic Linguistics	3
Social Science or Natural Science Elective (300 level or above)	3
Humanities elective (300 level or above)	3
General Elective	3
General Elective	3
General Elective	2
Hours	17
Spring	
SPAN 490 Spanish Capstone Seminar - CUE, WR	3
Spanish Elective (300 level or above)	3
General Elective (300 level or above)	3
General Elective	3
General Elective	3
Hours	15
Minimum Total Hours	121

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.

4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Sport Administration (BS)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Sport Administration (SPADBS)

Unit: College of Education and Human Development (<http://www.louisville.edu/edu>)

Department: Health & Sports Sciences (<http://louisville.edu/education/departments/hss>) (HSS)

Academic Plan Code(s): SPADBS, SPADBS_O

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

Sport Administration (SPAD) is the business side of sport.

Sport managers deal with all of the business aspects surrounding sport organizations and sporting events such as leadership, organizational behavior, marketing, finance, law, facility management, fundraising, event management, multimedia, sponsorships, and promotion.

The University of Louisville offers a Bachelor of Science in Sport Administration. The undergraduate program is designed to prepare students to enter careers in the sport industry. The SPAD program has a diverse student population representing a variety of geographical, cultural, educational, and professional backgrounds. Our students gain valuable experience working, interning, and volunteering on many significant service-learning projects for local and community agencies. We utilize many guest lecturers from sport business organizations each semester to speak with our students about how to excel as a business professional in the sport industry.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements ¹	6
	Program/Major Requirements	86
	Minimum Total Hours	123

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Students must complete 45 credit hours or more and earn a cumulative GPA of 2.50 or higher to apply for the SPAD major, including completion of SPAD 281 and SPAD 284 with a grade of C or better (C-minus will NOT count).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31

The following course can be taken to fulfill the respective General Education Requirement and a major requirement:

HSS 293	Social and Psychological Dimensions of Physical Activity - SB	
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All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
HSS 181	Academic Orientation	1
	Select two (2) Physical Activity Courses (see list below)	2
	Select one of the following:	3
HSS 184	Healthy Lifestyles I	
HSS 310	Healthy Lifestyles II	
HSS 293	Social and Psychological Dimensions of Physical Activity - SB	
Minimum Total Hours		6

Program/Major Requirements

Code	Title	Hours
Admission Courses in Sport Administration		
SPAD 281	Principles of Sport Administration	3
SPAD 284	Issues and Ethics in Sport	3
Core Courses in Sport Administration		
SPAD 382	Sport Management and Leadership	3
SPAD 383	Sport Marketing	3
SPAD 390	Sport Governance	3
SPAD 391	Sociology of Sport	3
SPAD 401	Career Development in Sport Administration	3
SPAD 402 & 402	Internship in Sport Administration - CUE Internship in Sport Administration - CUE (multiple semesters)	6-8
SPAD 404	Financial Principles in Sport	3
SPAD 445	Sport Communication	3
SPAD 489	Legal Aspects of Sport	3
SPAD 490	Senior Seminar in Sport Business	3
SPAD Electives		
	Select three of the following:	9

SPAD 353	Sport and Film	
SPAD 360	Administration of Intramural Activities	
SPAD 405	Sport Facility Management	
SPAD 437	Data and Analytics in Sport	
SPAD 480	Athletics in Higher Education	
SPAD 509	International Sport	
SPAD 510	Entrepreneurship in Sport Business	
SPAD 524	Management of Professional Baseball	
SPAD 525	Sport Event Planning and Management	
SPAD 529	Women and Sport	
SPAD 530	Sport Promotion and Sales	
SPAD 536	Sport Administration in Nonprofit Organizations	
SPAD 561	Special Topics in Sport Administration	
SPAD 571	Sport for Development and Peace	
Electives ¹		38
Minimum Total Hours		86

A minimum of 123 credit hours with an overall GPA of 2.25 is required including a minimum of 50 credit hours at the 300 level.

A grade of D will not be accepted in SPAD courses.

SPAD majors are strongly encouraged to complete a minor. Suggested minors include: Business Administration, Communication, Economics, Entrepreneurship, Equine Business, Exercise Science, Finance and Management.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
SPAD 402	Internship in Sport Administration - CUE	

¹ Consult advisor. Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Code	Title	Hours
Physical Activity Courses		
HSS 101	Beginning Swimming	1
HSS 102	Advanced Swimming	1
HSS 103	Life Saving	1
HSS 104	Scuba	1
HSS 108	Water Fitness	1
HSS 109	Weight Training	1
HSS 110	Physical Fitness and Conditioning	1
HSS 111	Aerobic Fitness	1
HSS 112	Mini-Marathon Training	1
HSS 114	Fitness Walking	1
HSS 115	Step Aerobics	1
HSS 116	Introduction to Yoga	1
HSS 117	Intermediate Yoga	1
HSS 118	Beginning Martial Arts	1
HSS 119	Intermediate Martial Arts	1
HSS 120	Beginning Racquetball	1
HSS 121	Billiards and Table Games	1
HSS 122	Badminton	1

HSS 123	Tennis	1
HSS 124	Advanced Tennis	1
HSS 125	Golf	1
HSS 126	Tumbling and Apparatus	1
HSS 127	Beginning Fencing	1
HSS 128	Pickleball	1
HSS 132	Canoeing	1
HSS 133	Backpacking and Hiking	1
HSS 134	Rappelling	1
HSS 136	Soccer	1
HSS 137	Volleyball	1
HSS 138	Basketball	1
HSS 140	Softball	1
HSS 144	Physical Activity for the Older Adult	1
HSS 145	Activity for the Physically Challenged	1
HSS 150	Special Topics: Physical Education Activities	1
HSS 160	Beginning Aerobic Dance	1
HSS 161	Intermediate Aerobic Dance	1
HSS 162	Beginning Modern Dance	1
HSS 163	Intermediate Modern Dance	1
HSS 164	Beginning Country Western Dance	1
HSS 165	Ballroom Dance	1
HSS 166	African Dance	1
HSS 167	Country Line Dance	1

Flight Plan

Course	Title	Hours
Year 1		
Fall		
ENGL 101	Introduction to College Writing - WC	3
HSS 181	Academic Orientation	1
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Social & Behavioral Sciences - SB		3
HSS Activity course (HSS 101-167)		1
Hours		15
Spring		
ENGL 102	Intermediate College Writing - WC	3
General Education: Cardinal Core Arts & Humanities US Diversity - AHD1		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
HSS Activity Course (HSS 101-167)		1
General Elective		3
Hours		16
Year 2		
Fall		
SPAD 281	Principles of Sport Administration	3
SPAD 284	Issues and Ethics in Sport	3
Select one of the following:		3
HSS 184 Healthy Lifestyles I		
HSS 310 Healthy Lifestyles II		
HSS 293 Social and Psychological Dimensions of Physical Activity - SB		
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
General Elective		1

General Elective		3
Hours		16
Spring		
SPAD 382	Sport Management and Leadership	3
SPAD 383	Sport Marketing	3
SPAD 391	Sociology of Sport	3
General Education: Cardinal Core Oral Communication - OC		3
General Elective		3
Hours		15
Year 3		
Fall		
SPAD 390	Sport Governance	3
SPAD 445	Sport Communication	3
General Elective		3
General Elective		3
General Elective		3
Hours		15
Spring		
SPAD 489	Legal Aspects of Sport	3
Sport Administration Elective		3
General Elective		3
General Elective		3
General Elective (300 level or above)		3
Hours		15
Year 4		
Fall		
SPAD 401	Career Development in Sport Administration	3
SPAD 404	Financial Principles in Sport	3
SPAD 490	Senior Seminar in Sport Business	3
Sport Administration Elective		3
General Elective (300 level or above)		3
Hours		15
Spring		
SPAD 402	Internship in Sport Administration - CUE	3
SPAD 402	Internship in Sport Administration - CUE	3
Sport Administration Elective		3
General Elective (300 level or above)		3
General Elective		3
General Elective		1
Hours		16
Minimum Total Hours		123

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Sustainability (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Sustainability

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
Program Website: Sustainability (<https://louisville.edu/upa/programs/bachelors-of-sustainability>)
Academic Plan Code(s): See Track Requirements tab.

Program Information

The BA in Sustainability is an interdisciplinary approach to understanding issues, problems and solutions in sustainability, with a goal of preparing students to engage with these issues on multiple levels in the workplace and in their community.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	68
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in Sustainability requires a minimum cumulative grade point average of 2.0.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
SUST 101	Introduction to Sustainability - SB	

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
	Foreign Language ¹	12
	Electives in Humanities or Natural Sciences ²	9
	WR - two approved courses at the 300 level or above	
	Minimum Total Hours	22

Program/Major Requirements

Code	Title	Hours
Department of Urban and Public Affairs		
<i>Sustainability Core:</i>		
SUST 101	Introduction to Sustainability - SB	3
SUST 201	Environmental Management	3
SUST 202	Behavioral Dimensions of Environmental Decision-Making	3
SUST 301	Sustainable Built Environment	3
SUST 401	Independent Study Sustainability - CUE	3
SUST 402	Policy and Governance in Sustainability - WR	3
SUST 403	Sustainable Societal Systems	3
SUST 404	Sustainability Internship - CUE	3
SUST 518	Urban Demography and GIS	3
or PLAN 618	Urban Demography and GIS	
SOC 301	Introduction to Social Statistics	3
or SOC 303	Introduction to Research Methods - WR	
	Track Requirement (see Track Requirements tab)	6
Supporting Courses		
	Natural and Social Science electives ⁴	18
	Electives ⁵	14
	Minimum Total Hours	68

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing one of the following:		
SUST 401	Independent Study Sustainability - CUE	
SUST 404	Sustainability Internship - CUE	
1	Completion of the intermediate level of a single foreign language	
2	In addition to courses counted toward General Education; 6 hours must be at 300 level or above	
3	May be incorporated into other degree requirements	
4	Outside of courses used to meet major requirements with 15 hours at the 300 level or above (in addition to courses counted toward General Education)	
5	Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.	

Track Requirements

Policy and Governance in Sustainability

Academic Plan Code(s): SUSTBA_PGS

Code	Title	Hours
Track Requirements		
Select one of the following courses:		3
POLS 426	Environmental Policy	
PLAN 620	Environmental Policy	
PLAN 673	Behavioral Dimensions of Urban Sustainability	
PGS Elective, select one of the following courses:		3
HIST 508	American Environmental History - CUE, WR	
UPA 640	Economic Development	
PLAN 623	Environmental Policy and Natural Hazards	
PLAN 605	Land Use & Planning Law	
Minimum Total Hours		6

Sustainable Societal and Urban Systems

Academic Plan Code(s): SUSTBA_SUS

Code	Title	Hours
Track Requirements		
SUST 576	Sustainable Social-Ecological Systems	3
SUST Elective, select one of the following courses:		3
ANTH 352	Food and Body Politic	
ARTH 593	Studies in Modern Architecture	
BIOL 401	Advanced Ecology	
BIOL 501	Independent Study	
CEE 460	Transportation Systems Engineering	
CEE 471	Water Supply and Sewerage	
ECON 360	Environmental Economics	
GEOG 561/ PLAN 501	Urban Environmental Quality	
GEOS 590	Selected Topics in Geosciences	

ME 570	Sustainable Energy Systems	
PHIL 328	Environmental Ethics	
POLS 363	Politics of Oil	
Minimum Total Hours		6

Sustainable Societies

Academic Plan Code(s): SUSTBA_SS

Code	Title	Hours
Track Requirements		
PLAN 670 or PLAN 674	Sustainable Development and Planning Sustainable Urbanism	3
SS Elective, select one of the following courses:		3
ANTH 332	Ecology, Politics and Culture	
ANTH 352	Food and Body Politic	
ARTH 593	Studies in Modern Architecture	
BIOL 501	Independent Study	
BIOL 563	Population and Community Ecology	
CJ 523	Race and Gender Issues in Criminal Justice - WR	
ECON 312	Urban Economics	
ECON 360	Environmental Economics	
HIST 313	Comparative Environmental History	
HIST 508	American Environmental History - CUE, WR	
GEOG 300	Globalization and Diversity - D2, SB	
GEOG 361	Sustainable Human Environments - WR	
GEOG 500	Globalization Seminar	
GEOG 561/ PLAN 501	Urban Environmental Quality	
PHIL 328	Environmental Ethics	
POLS 363	Politics of Oil	
POLS 426	Environmental Policy	
SOC 305	Urban Sociology	
SOC 307	Rural Sociology	
SOC 453	Social Change	
PLAN 501	Urban Environmental Quality	
PLAN 605	Land Use & Planning Law	
PLAN 620	Environmental Policy	
PLAN 623	Environmental Policy and Natural Hazards	
Minimum Total Hours		6

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
SUST 101	Introduction to Sustainability - SB	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		16
Spring		
ENGL 102	Intermediate College Writing - WC	3

SUST 201 or SUST 202	Environmental Management or Behavioral Dimensions of Environmental Decision- Making	3
General Education: Cardinal Core Natural Sciences with Lab - B		4
General Education: Cardinal Core Oral Communication - OC		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective US Diversity - SBHD1		3
Hours		16
Year 2		
Fall		
SUST 202 or SUST 201	Behavioral Dimensions of Environmental Decision-Making or Environmental Management	3
SOC 301 or SOC 303	Introduction to Social Statistics or Introduction to Research Methods - WR	3
Arts and Humanities-AH		3
Foreign Language 1		3-4
Natural Science or Social Science Elective		3
Hours		15-16
Spring		
SUST 301	Sustainable Built Environment	3
Foreign Language 2		3-4
Natural Science or Social Science elective (300 level or above)		3
Humanities or Natural Science elective		3
Natural Science or Social Science elective (300 level or above)		3
Hours		15-16
Year 3		
Fall		
SUST 402	Policy and Governance in Sustainability - WR	3
Foreign Language 3		3-4
Humanities or Natural Science WR elective (300 level or above)		3
Natural Science or Social Science elective (300 level or above)		3
Natural Science or Social Science elective (300 level or above)		3
Hours		15-16
Spring		
SUST 401	Independent Study Sustainability - CUE	3
SUST 403	Sustainable Societal Systems	3
Natural Science or Social Science WR elective (300 level or above)		3
Foreign Language 4 (if needed) or general elective		3
General elective		3
Hours		15
Year 4		
Fall		
SUST 404	Sustainability Internship - CUE	3
Sustainability Track elective 1		3
Humanities or Natural Science elective (300 level or above)		3
General elective		3
General elective		3
Hours		15
Spring		
SUST 518	Urban Demography and GIS	3
Sustainability Track elective 2		3
General elective		3
General elective		3
General elective		2
Hours		14
Minimum Total Hours		121-124

Theatre Arts (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Theatre Arts

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Theatre Arts (<http://www.louisville.edu/a-s/ta>)
Program Website (<http://louisville.edu/theatrearts/undergraduates>)
Academic Plan Code(s): TA_ _BS

Program Information

As part of the College of Arts and Sciences, the Theatre Arts is committed to a liberal arts education for our undergraduate students and professional training for graduate students. The ancient art of theatre is most fully understood and exists at its deepest form of expression through the creation of performances shared with an audience. Doing so demands a deep array of knowledge and skill combined with a professional attitude and work ethic that can serve students throughout their lives in whatever profession they pursue.

All Theatre Arts Undergraduate Majors are required to fulfill course requirements for the College of Arts and Sciences, General Education and Programmatic/Supporting Courses.

Theatre Arts Requirements are split into four core areas: Academics, Performance, Design and Technology, and Performance/Production. In addition, Theatre Arts undergraduate majors utilize 18 hours of department electives to specialize in one of five areas including African American Theatre, Performance, Design and Technology, Dramaturgy and Playwriting, and General Studies. All majors participate in the Culminating Undergraduate Experience in their final year.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹		31
College/School Requirements		13-15
Program/Major Requirements ¹		75
Minimum Total Hours		121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

There are no specific admission requirements for this degree plan.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)*	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

TA 224	Introduction to Acting as Communication - OC
TA 326	Cultural Diversity in Performance - AH, D1

*All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Natural Sciences or Social Sciences at the 300-level or above ²	6
	WR—two approved courses at the 300 level or above ³	
	Minimum Total Hours	13-15

Program/Major Requirements

Code	Title	Hours
Department of Theatre Arts		
<i>Academic Core</i>		
TA 326	Cultural Diversity in Performance - AH, D1 ⁴	3
TA 360	Theatre History & Script Analysis I: Classical-Medieval - WR	3
TA 361	Theatre History & Script Analysis II: Renaissance-Romantic - WR	3
TA 362	Theatre History & Script Analysis III: Modern & Contemporary - WR	3
TA 366	History of the African-American Theatre - AH, D1, WR ⁴	3
<i>Performance Core</i>		
TA 224	Introduction to Acting as Communication - OC	3

TA 327	Acting Fundamentals: The Craft of Imagination	3
<i>Design and Technology Core</i>		
TA 240	Stagecraft	3
TA 243	Design Aesthetics - AH	3
TA 245	Costume Construction	3
<i>Performance/Production Projects</i>		
TA 350	Theatre Production Practicum ⁵	5
TA 433	Fundamentals of Stage & Production Management	3
TA 460	Black Diasporic Conversations Seminar ⁴	1
TA 550	Culminating Undergraduate Experience Practicum - CUE	3
TA Electives		18
Electives in the Division of Humanities, other than Theatre Arts (300-level or above)		15
Open Electives ⁶		0
Minimum Total Hours		75

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
TA 550	Culminating Undergraduate Experience Practicum - CUE	

- Completion of the second semester of a single foreign language; hours will vary depending on the language taken
- In addition to courses counted toward general education
- May be incorporated into other degree requirements
- Part of the African American Theatre program.
- All theatre majors are required to work on five productions as part of their studies; this requirement is enforced using the TA 350 course number and requirement. Students are expected to experience a variety of theatre skills in addressing this requirement. No more than two credit hours in any single aspect of theatre production (e.g., management, scenery, costumes, lighting, etc.) may be applied toward this requirement. Students may enroll for two sections in one semester, but this is not encouraged. Refer to the TA 350 policy for details on how this course is organized and how it functions during the semester.
- Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
ENGL 101	Introduction to College Writing - WC	3
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
TA 224	Introduction to Acting as Communication - OC	3
General Education: Cardinal Core Quantitative Reasoning - QR		3
Foreign Language 1		4

Gen Education: Arts and Humanities		3
Hours		17
Spring		
ENGL 102	Intermediate College Writing - WC	3
TA 240	Stagecraft	3
General Education: Cardinal Core Social and Behavioral Sciences-SB		3
Foreign Language 2		4
General Education: Cardinal Core Natural Sciences - S		3
Hours		16
Year 2		
Fall		
TA 327	Acting Fundamentals: The Craft of Imagination	3
TA 243	Design Aesthetics - AH	3
TA 326	Cultural Diversity in Performance - AH, D1	3
TA 350	Theatre Production Practicum	1
TA 360	Theatre History & Script Analysis I: Classical-Medieval - WR	3
General Education: Cardinal Core Natural Science with Lab-B or S/SL		4
Hours		17
Spring		
TA 245	Costume Construction	3
TA 361	Theatre History & Script Analysis II: Renaissance-Romantic - WR	3
TA 350	Theatre Production Practicum	1
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH, D2		3
Humanities elective (non-Theatre Arts) (300 level or above)		3
General Elective		3
Hours		16
Year 3		
Fall		
TA 362	Theatre History & Script Analysis III: Modern & Contemporary - WR	3
TA 433	Fundamentals of Stage & Production Management	3
TA 350	Theatre Production Practicum	1
Humanities elective (non-Theatre Arts) (300 level or above)		3
Theatre Arts Elective		3
Theatre Arts Elective		3
Hours		16
Spring		
TA 366	History of the African-American Theatre - AH, D1, WR	3
TA 460	Black Diasporic Conversations Seminar	1
TA 350	Theatre Production Practicum	1
Theatre Arts elective		3
Social Science or Natural Science elective (300 level or above)		3
Humanities elective (non-Theatre Arts) (300 level or above)		3
Hours		14
Year 4		
Fall		
TA 350	Theatre Production Practicum	1
Theatre Arts elective		3
Social Science or Natural Science elective (300 level or above)		3
Humanities elective (non-Theatre Arts) (300 level or above)		3
General elective		3
General elective (if necessary)		0-3
Hours		13-16
Spring		
TA 550	Culminating Undergraduate Experience Practicum - CUE	3
Theatre Arts elective		3
Theatre Arts elective		3

Humanities elective (non-Theatre Arts) (300 level or above)		3
Hours		12
Minimum Total Hours		121-124

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Women's, Gender and Sexuality Studies (BA)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Arts in Women's, Gender and Sexuality Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Women's, Gender and Sexuality Studies (<http://www.louisville.edu/a-s/ws>)
 Academic Plan Code(s): WGSTBA, WGSTBA_0

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

Women's, Gender and Sexuality Studies is an interdisciplinary major that draws its questions and approaches from the humanities, social sciences, natural sciences, and arts. It helps students to develop

theoretical, empirical, and methodological perspectives for studying gender as a crucial category for understanding the world. We offer extremely flexible scheduling for our majors: we have three core courses, offered regularly; students are allowed a fair amount of control in selecting the classes that will be most helpful to them in their chosen career path to complete the remainder of their requirements. Our students are required to engage in service learning opportunities outside the university, giving them useful career experience. Students in our program also find it easy to double major, if they so desire.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	13
	Program/Major Requirements ¹	71-83
	Minimum Total Hours	121

¹ Some courses required in this degree program can satisfy multiple requirements. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements or reduce the number of available electives. See the Degree Requirements and Track tabs for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA in Women's, Gender and Sexuality Studies

Women's, Gender and Sexuality Studies majors who are already thinking about pursuing an MA in Women's, Gender and Sexuality Studies can speed up the process by applying some of their undergraduate credit hours toward a master's degree. The basic idea is to take three graduate level courses/nine hours (either 500-level with the additional graduate level assignments, or 600-level) while still an undergraduate, and then have those credits apply both toward the undergraduate degree and towards an eventual master's degree from UofL.

Students in the accelerated Master of Arts in Women's, Gender and Sexuality Studies program may take a maximum of nine hours for graduate credit, which will also apply to the requirements for the baccalaureate degree. To be considered for admission to the Accelerated Master of Arts in Women's, Gender and Sexuality Studies program, students must:

- Complete an application for admission to the Women's, Gender and Sexuality Studies Department's Master of Arts program (including transcripts, two letters of recommendation, a statement of purpose, and a writing sample) no later than the end of their junior year.
- Have a minimum overall grade point average (GPA) of 3.35, a Women's, Gender and Sexuality Studies GPA of 3.35, and meet all other requirements for admission to the Women's, Gender and Sexuality Studies Department's Master of Arts program.

Students must retain a 3.35 GPA in Women's, Gender and Sexuality Studies during their senior year to remain in the program. Once admitted

to the accelerated BA/MA program and starting the graduate work, students are expected to maintain a full graduate load of 9 credit hours.

Students in the accelerated BA/MA program must meet all of the MA requirements including receiving at least 18 of their 37-hour program in 600-level, courses.

Departmental Admission Requirements

Admission to the BA in Women's, Gender and Sexuality Studies requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts and Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA-BS/MA in Women's, Gender and Sexuality Studies

Interested students should apply for entry into the accelerated program no later than the end of their Junior year.

To be considered for admission to the Accelerated Master of Arts in Women's, Gender and Sexuality Studies program, students must:

- Complete an application for admission to the Women's, Gender and Sexuality Studies Department's Master of Arts program (including transcripts, two letters of recommendation, a statement of purpose, and a writing sample) no later than the end of their junior year.
- Have a minimum overall grade point average (GPA) of 3.35, a Women's, Gender and Sexuality Studies GPA of 3.35, and meet all other requirements for admission to the Women's, Gender and Sexuality Studies Department's Master of Arts program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements)	31
The following courses are required by the program and satisfy the respective General Education Requirement(s):		
WGST 201	Women In American Culture - D1, SB	
Additional coursework may satisfy program and General Education requirements (e.g., WGST 203 or WGST 207).		

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100	Student Success Center Orientation	1
or GEN 101	Arts and Sciences Orientation	
Electives in Humanities, Social Sciences, or Natural Sciences at the 300 level or above ³		
	Foreign Language ²	12

WR - two approved courses at the 300 level or above³

Minimum Total Hours 13

Program/Major Requirements

Code	Title	Hours
Women's, Gender and Sexuality Studies Core Courses		
WGST 201	Women In American Culture - D1, SB	3
WGST 401	Community Internship	3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Humanities Electives		
Select 3 courses, of which one must be at the 400+ level:		9
WGST 203	Gender Issues in Public Dialogue - D1, OC	
WGST 207	Introduction to Philosophy through Cultural Diversity - AH, D2	
WGST 303	Humanities and Gender - AH, D2	
WGST 320	Women in Music: A History - AH, D1	
WGST 325	Women and Global Literature - AH, D2	
WGST 326	Gender and Children's Literature - AH, D1	
WGST 340	Women and Religion - AH, D2	
WGST 342	Black Women Novelists - AH, D2, WR	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 360	Philosophy and Feminism - AH, D1	
WGST 373	Women Writers and Filmmakers - WR	
WGST 375	LGBTQ Literature in the United States - AH, D1	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 395	Women, Media and Culture - AH, D1	
WGST 508	Queer Performance	
WGST 520	Women's Personal Narratives	
WGST 522	The Body in Popular Media - WR	
WGST 523	Gender and Popular Music - WR	
WGST 525	Art and Trauma	
WGST 560	Feminist Philosophical Literature	
WGST 571	Francophone Women Writers - WR	
WGST 582	Gender, Race and Culture in Health Care	
Women's, Gender and Sexuality Studies Social Science Electives		
Select 3 courses, of which one must be at the 400+ level:		9
WGST 300	Sex, Gender, and Culture	
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
WGST 312	Sociology of Women's Health	
WGST 313	Sociology of Gender	
WGST 316	Gender, Sexuality & Law	
WGST 323	Queer Politics	
WGST 324	Communication and Gender	
WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 343	Faces of Global Poverty - WR	
WGST 344	Black Lesbian Lives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	

WGST 349	Color Complex of Black Women	
WGST 355	Women in American Politics	
WGST 364	Women's Health Issues - D1, SB	
WGST 394	Lectures in Women's, Gender and Sexuality Studies	
WGST 410	Black Feminism in Action	
WGST 411	Psychology of Women	
WGST 414	Gender and Work	
WGST 415	Sociology of Disabilities	
WGST 458	Women: International Perspective	
WGST 460	Gender in the Middle East	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	
WGST 532	History of American Sexualities - WR	
WGST 533	Women in 19th-Century America - WR	
WGST 538	Woman and Sport	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 547	Language, Race, Class, and Gender	
WGST 556	Feminist Theory - WR	
WGST 558	Women in Developing Countries - WR	
WGST 584	Women in East Asian History	
Elective in Women/Gender and Race		
Select one of the following:		3
WGST 342	Black Women Novelists - AH, D2, WR	
WGST 343	Faces of Global Poverty - WR	
WGST 344	Black Lesbian Lives	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	
WGST 349	Color Complex of Black Women	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 410	Black Feminism in Action	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 545	Southern Women: Black and White	
WGST 547	Language, Race, Class, and Gender	
WGST 582	Gender, Race and Culture in Health Care	
Elective in Women/Gender and History		
Select one of the following:		3
WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	

WGST 532	History of American Sexualities - WR
WGST 533	Women in 19th-Century America - WR
WGST 545	Southern Women: Black and White
WGST 584	Women in East Asian History

Elective in Women's, Gender and Sexuality Studies at the 300-level or above 3

Supporting Courses

Select either an approved A&S minor OR one of the concentration options below 27-30

Minor Options (Choose one of the following)

1. Minor in a Social Science discipline (18-21 hours) with 9 hours of electives at 300+ level in Humanities or Natural Sciences
2. Minor in a Natural Science discipline (18-21 hours) with 9 hours of electives at 300+ level in Humanities or Social Sciences
3. Minor in a Humanities discipline (18-21 hours) with 9 hours of electives at 300+ level in Social Sciences or Natural Sciences

Concentration Options (Choose one of the following)

1. Concentration in Social Sciences (18 hours of Social Science electives) with 9 hours of electives at 300+ level in Natural Sciences or Humanities
 - At least 9 hours in a single Social Science discipline
 - No more than 6 hours taken at the 200-level may be counted towards the concentration
 - At least 12 hours must be 300+ level
 - Up to 6 hours in the concentration can double-count in the major
2. Concentration in Natural Sciences (18 hours of Natural Science electives) with 9 hours of electives at 300+ level in Humanities or Social Sciences
 - At least 9 hours in a single Natural Science discipline
 - No more than 6 hours taken at the 200-level may be counted towards the concentration
 - At least 12 hours must be 300+ level
 - Up to 6 hours in the concentration can double-count in the major
3. Concentration in Humanities (18 hours of Humanities electives) with 9 hours of electives at 300+ level in Natural Sciences or Social Sciences
 - At least 9 hours in a single Humanities discipline
 - No more than 6 hours taken at the 200-level may be counted towards the concentration
 - At least 12 hours must be 300+ level
 - Up to 6 hours in the concentration can double-count in the major

Minimum Total Hours 63-66

Students should consult a Women's, Gender and Sexuality Studies advisor about how topics and independent study courses count in the major (see list below).

Code	Title	Hours
Culminating Undergraduate Experience (Graduation requirement)		
Requirement fulfilled by completing:		
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	

Women's, Gender and Sexuality Studies Topics/ Independent Study courses

Code	Title	Hours
WGST 390	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 391	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 392	Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR	3
WGST 393	Topics in Women's, Gender and Sexuality Studies: Humanities - WR	3
WGST 490	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 491	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 492	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 493	Topics in Women's, Gender and Sexuality Studies: Humanities - WR	3
WGST 498	Senior Honors Thesis: Social Sciences - WR	3
WGST 499	Senior Honors Thesis: Humanities - WR	3
WGST 589	Independent Study: Women's, Gender and Sexuality Studies-Humanities	1-3
WGST 590	Independent Study: Women's, Gender and Sexuality Studies-Social Sciences	1-3
WGST 591	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 592	Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR	3
WGST 593	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 594	Topics in Women's, Gender and Sexuality Studies: Humanities - WR	3

- 1 In addition to the Humanities courses required in the Women's, Gender and Sexuality Studies Core
- 2 Completion of the intermediate level of a single foreign language
- 3 May be incorporated into other degree requirements
- 4 Students who satisfy General Education Requirements by courses defined by the program will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3
WGST 201	Women In American Culture - D1, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14
Spring		
WGST 203	Gender Issues in Public Dialogue - D1, OC	3

General Education: Cardinal Core Social & Behavioral Sciences Global Diversity - SBD2	3
General Education: Cardinal Core Natural Sciences - S	3
Women's, Gender and Sexuality Studies Humanities elective	3
MATH 105 Quantitative Reasoning - QR	3
Hours	15

Year 2

Fall	
WGST 199 Writing in Women's, Gender and Sexuality Studies - WC or ENGL 102 or Intermediate College Writing - WC	3
Women's, Gender and Sexuality Studies Race & Gender elective	3
Foreign Language 1	3-4
General Education: Cardinal Core Arts & Humanities - AH	3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH	
Hours	12-13

Spring

Foreign Language 2	3-4
General elective	3
Women's, Gender and Sexuality Studies History elective	3
Course in minor or focus	3
Supporting course (outside of division of minor or focus)	3
Hours	15-16

Year 3

Fall	
Women's, Gender and Sexuality Studies elective (300 level or above)	3
Women's, Gender and Sexuality Studies Humanities WR elective	3
Women's, Gender and Sexuality Studies Social Science elective	3
Course in minor or focus	3
Foreign Language 3	3-4
Hours	15-16

Spring

Women's, Gender and Sexuality Studies Social Science elective	6
Supporting course (outside of minor or focus)	3
Supporting course (outside of minor or focus)	3
Course in minor or focus	3
Foreign Language 4 (if necessary)	3
Hours	18

Year 4

Fall	
WGST 401 Community Internship	3
WGST 500 Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Humanities elective (400 level or above)	3
Course in minor or focus	3
General elective	3
Hours	15

Spring

Course in minor or focus	3
Course in minor or focus (if needed) or general elective	3
General elective	9
Women's, Gender and Sexuality Studies Social Science elective (400 level or above)	3
Hours	18

Minimum Total Hours	122-125
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Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan

to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Women's, Gender and Sexuality Studies with a 3+3 Track to Law (BA)



Bachelor of Arts in Women's, Gender and Sexuality Studies with a 3+3 Track to Law

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Women's, Gender and Sexuality Studies (<http://www.louisville.edu/a-s/ws>)
 Academic Plan Code(s): WGSTBA_3+3

Program Information

The College of Arts & Sciences and the Louis D. Brandeis School of Law have joined forces to create 3+3 Accelerated Law programs that allows eligible students in the College of Arts & Sciences to begin law school in their senior year of undergraduate study. Students substitute undergraduate major requirements with the first 30 hours of law school, earning an undergraduate degree after their first year of law school and a Juris Doctor (JD) degree two years later.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	22
	Program/Major Requirements ¹	69
	Minimum Total Hours	122

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements

Admission to the BA in Women's, Gender and Sexuality Studies requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major. A 3.5 GPA is recommended by the School of Law (see below).

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Admission to Law School

Admission to the 3+3 track does not guarantee admission to the law school. Students seeking admission to law school must complete a law school application and satisfy all of Brandeis' admissions requirements, including its median GPA and LSAT expectations.

It is recommended that students planning to pursue this track have a minimum cumulative GPA of 3.5.

For more information on Brandeis and its admissions requirements, please contact the law school's Office of Admissions. The office can also arrange for you to visit the law school and to sit in on a class.

Brandeis School of Law Office of Admissions (<http://louisville.edu/law/admissions>)

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and can satisfy the respective General Education Requirement:

WGST 201 Women In American Culture - D1, SB

Some program guided electives also may satisfy General Education requirements.

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Electives in Humanities or Natural Sciences at the 300 level or above ¹	9
	Foreign Language ²	12
	WR - two approved courses at the 300 level or above ³	
	Minimum Total Hours	22

Program/Major Requirements

Code	Title	Hours
Women's, Gender and Sexuality Studies Core Courses		
WGST 201	Women In American Culture - D1, SB	3
WGST 401	Community Internship	3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Humanities Electives		
Select 3 courses, of which one must be at the 400+ level:		9
WGST 203	Gender Issues in Public Dialogue - D1, OC	
WGST 207	Introduction to Philosophy through Cultural Diversity - AH, D2	
WGST 303	Humanities and Gender - AH, D2	
WGST 320	Women in Music: A History - AH, D1	
WGST 325	Women and Global Literature - AH, D2	
WGST 326	Gender and Children's Literature - AH, D1	
WGST 340	Women and Religion - AH, D2	
WGST 342	Black Women Novelists - AH, D2, WR	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 360	Philosophy and Feminism - AH, D1	
WGST 373	Women Writers and Filmmakers - WR	
WGST 375	LGBTQ Literature in the United States - AH, D1	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 395	Women, Media and Culture - AH, D1	
WGST 508	Queer Performance	
WGST 520	Women's Personal Narratives	
WGST 522	The Body in Popular Media - WR	
WGST 523	Gender and Popular Music - WR	
WGST 525	Art and Trauma	
WGST 560	Feminist Philosophical Literature	
WGST 571	Francophone Women Writers - WR	
WGST 582	Gender, Race and Culture in Health Care	
Women's, Gender and Sexuality Studies Social Science Electives		
Select 3 courses, of which one must be at the 400+ level:		9
WGST 300	Sex, Gender, and Culture	
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
WGST 312	Sociology of Women's Health	
WGST 313	Sociology of Gender	
WGST 316	Gender, Sexuality & Law	

WGST 323	Queer Politics	
WGST 324	Communication and Gender	
WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 343	Faces of Global Poverty - WR	
WGST 344	Black Lesbian Lives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	
WGST 349	Color Complex of Black Women	
WGST 355	Women in American Politics	
WGST 364	Women's Health Issues - D1, SB	
WGST 394	Lectures in Women's, Gender and Sexuality Studies	
WGST 410	Black Feminism in Action	
WGST 411	Psychology of Women	
WGST 414	Gender and Work	
WGST 415	Sociology of Disabilities	
WGST 458	Women: International Perspective	
WGST 460	Gender in the Middle East	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	
WGST 532	History of American Sexualities - WR	
WGST 533	Women in 19th-Century America - WR	
WGST 538	Woman and Sport	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 547	Language, Race, Class, and Gender	
WGST 556	Feminist Theory - WR	
WGST 558	Women in Developing Countries - WR	
WGST 584	Women in East Asian History	

Elective in Women/Gender and Race

Select one of the following: ⁴ 3

WGST 342	Black Women Novelists - AH, D2, WR	
WGST 343	Faces of Global Poverty - WR	
WGST 344	Black Lesbian Lives	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	
WGST 349	Color Complex of Black Women	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 410	Black Feminism in Action	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 545	Southern Women: Black and White	
WGST 547	Language, Race, Class, and Gender	
WGST 582	Gender, Race and Culture in Health Care	

Elective in Women/Gender History

Select one of the following: ⁵ 3

WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	
WGST 532	History of American Sexualities - WR	
WGST 533	Women in 19th-Century America - WR	
WGST 545	Southern Women: Black and White	
WGST 584	Women in East Asian History	

Elective in Women's, Gender and Sexuality Studies at the 300-level or above 6

Law School Courses

LAW 802	Torts I	3
LAW 803	Torts II	3
LAW 804	Contracts I	3
LAW 805	Contracts II	3
LAW 806	PROPERTY I	3
LAW 807	PROPERTY II	3
LAW 808	Civil Procedure I	3
LAW 810	Criminal Law	3
LAW 811	Lawyering Skills I	3
LAW 812	Lawyering Skills II	3

Minimum Total Hours 69

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree.

At least 50 of the total minimum hours required must be at the 300 level or above.

Code Title Hours

Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:

WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	
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- ¹ In addition to the Humanities courses required in the Women's, Gender and Sexuality Studies Core
- ² Completion of the intermediate level of a single foreign language
- ³ May be incorporated into other degree requirements
- ⁴ Some titles of the following courses may be used, consult department: WGST 390, WGST 391, WGST 593
- ⁵ Some titles of the following courses may be used, consult department: WGST 391

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100 or GEN 101	Student Success Center Orientation or Arts and Sciences Orientation	1
ENGL 101	Introduction to College Writing - WC	3

WGST 201	Women In American Culture - D1, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14
Spring		
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		3
Women's, Gender and Sexuality Studies Humanities Elective		3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Hours		15
Year 2		
Fall		
WGST 199	Writing in Women's, Gender and Sexuality Studies - WC or ENGL 102 or Intermediate College Writing - WC	3
Women's, Gender and Sexuality Studies Race & Gender elective		3
WGST 203	Gender Issues in Public Dialogue - D1, OC	3
Women's, Gender and Sexuality Studies elective		3
Foreign Language 1		3-4
Hours		16
Spring		
Elective		3
Foreign Language 2		3-4
Women's, Gender and Sexuality Studies History elective		3
Women's, Gender and Sexuality Studies Humanities elective		3
Women's, Gender and Sexuality Studies Social Science elective		3
Hours		16
Year 3		
Fall		
Foreign Language 3		3-4
Women's, Gender and Sexuality Studies Humanities elective (400 level or above)		3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Social Science elective		3
WGST 401	Community Internship	3
Hours		16
Spring		
Women's, Gender and Sexuality Studies Social Science elective (400 level or above)		3
Women's, Gender and Sexuality Studies elective (300 level or above)		3
Foreign Language 4 (if needed) or Humanities or Natural Science elective (300 level or above)		3
Humanities or Natural Science elective (300 level or above)		3
Humanities or Natural Science elective (300 level or above)		3
Hours		15
Year 4		
Fall		
LAW 802	Torts I	3
LAW 804	Contracts I	3
LAW 806	PROPERTY I	3
LAW 810	Criminal Law	3
LAW 811	Lawyering Skills I	3
Hours		15
Spring		
LAW 803	Torts II	3
LAW 805	Contracts II	3
LAW 807	PROPERTY II	3
LAW 808	Civil Procedure I	3

LAW 812	Lawyering Skills II	3
Hours		15
Minimum Total Hours		122

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Women's, Gender and Sexuality Studies (BS)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Bachelor of Science in Women's, Gender and Sexuality Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Women's, Gender and Sexuality Studies (<http://www.louisville.edu/a-s/ws>)
 Academic Plan Code(s): WGSTBS

Program Information

Women's, Gender and Sexuality studies is an interdisciplinary major that draws its questions and approaches from the humanities, social sciences, natural sciences, and arts. It helps students to develop theoretical, empirical, and methodological perspectives for studying gender as a crucial category for understanding the world. We offer

extremely flexible scheduling for our majors: we have three core courses, offered regularly; students are allowed a fair amount of control in selecting the classes that will be most helpful to them in their chosen career path to complete the remainder of their requirements. Our students are required to engage in service learning opportunities outside the university, giving them useful career experience. Students in our program also find it easy to double major, if they so desire.

Completion of this degree requires work to be submitted for the department's Student Learning Outcomes Measurement. For details, contact the department.

Degree Summary

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) ¹	31
	College/School Requirements	7-9
	Program/Major Requirements ¹	81-83
	Minimum Total Hours	121

¹ Some credit hours from the General Education Requirements may be satisfied by courses defined by the program, in which case additional electives will be required to complete the minimum hours for the degree. See the Degree Requirements tab for specific coursework.

Specific coursework information can be found on the Degree Requirements tab.

Accelerated BA-BS/MA in Women's, Gender and Sexuality Studies

Women's, Gender and Sexuality Studies majors who are already thinking about pursuing a master's degree in the field can speed up the process by applying some of their undergraduate credit hours toward a master's degree. The basic idea is to take three graduate level courses/nine hours (either 500-level with the additional graduate level assignments, or 600-level) while still an undergraduate, and then have those credits apply both toward the undergraduate degree and towards an eventual master's degree from UofL.

Students in the accelerated Master of Arts in Women's, Gender and Sexuality Studies program may take a maximum of nine hours for graduate credit, which will also apply to the requirements for the baccalaureate degree. To be considered for admission to the Accelerated Master of Arts in Women's, Gender and Sexuality Studies program, students must have a minimum overall grade point average (GPA) of 3.35; a Women's, Gender and Sexuality Studies GPA of 3.35; and meet all other requirements for admission to the Women's, Gender and Sexuality Studies Department's Master of Arts program.

Students must retain a 3.35 GPA in Women's, Gender and Sexuality Studies during their senior year to remain in the program. Once admitted to the accelerated BS/MA program and starting the graduate work, students are expected to maintain a full graduate load of 9 credit hours.

Students in the accelerated BS/MA program must meet all of the MA requirements including receiving at least 18 of their 37-hour program in 600-level, courses.

Departmental Admission Requirements

Admission to the BS in Women's, Gender and Sexuality Studies requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

The Application for Major form can be found on the Arts & Sciences Advising Center website (<http://louisville.edu/artsandsciences/advising/apply>).

Accelerated BA-BS/MA in Women's, Gender and Sexuality Studies

Interested students should apply for entry into the accelerated program no later than the end of their Junior year.

To be considered for admission to the Accelerated Master of Arts in Women's, Women's and Gender and Sexuality Studies program, students must:

- Complete an application for admission to the Women's, Women's and Gender and Sexuality Studies Department's Master of Arts program (including GRE scores, transcripts, two letters of recommendation, a statement of purpose, and a writing sample) no later than the end of their junior year.
- Have a minimum overall grade point average (GPA) of 3.35; a Women's, Gender Women's and Sexuality Gender Studies GPA of 3.35; and meet all other requirements for admission to the Women's, Gender Women's and Sexuality Gender Studies Department's Master of Arts program.

General Education Requirements

Code	Title	Hours
	General Education Requirements (http://catalog.louisville.edu/undergraduate/general-education-requirements) [*]	31

The following courses are required by the program and satisfy the respective General Education Requirement(s):

WGST 201 Women In American Culture - D1, SB

Some program guided electives also may satisfy General Education requirements.

^{*}All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

Code	Title	Hours
Arts & Sciences Requirements		
GEN 100 or GEN 101	Student Success Center Orientation Arts and Sciences Orientation	1
	Foreign Language ¹	6-8
	Electives in Humanities or Natural Sciences at the 300 level or above ²	
	WR – two approved courses at the 300 level or above ²	
	Minimum Total Hours	7-9

Program/Major Requirements

Code	Title	Hours
Women's, Gender and Sexuality Studies Core Courses		
WGST 201	Women In American Culture - D1, SB	3
WGST 401	Community Internship	3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Humanities Electives		
Select three of the following, of which one must be at the 400+ level:		9
WGST 203	Gender Issues in Public Dialogue - D1, OC	
WGST 207	Introduction to Philosophy through Cultural Diversity - AH, D2	
WGST 303	Humanities and Gender - AH, D2	
WGST 320	Women in Music: A History - AH, D1	
WGST 325	Women and Global Literature - AH, D2	
WGST 326	Gender and Children's Literature - AH, D1	
WGST 340	Women and Religion - AH, D2	
WGST 342	Black Women Novelists - AH, D2, WR	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 360	Philosophy and Feminism - AH, D1	
WGST 373	Women Writers and Filmmakers - WR	
WGST 375	LGBTQ Literature in the United States - AH, D1	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 395	Women, Media and Culture - AH, D1	
WGST 508	Queer Performance	
WGST 520	Women's Personal Narratives	
WGST 522	The Body in Popular Media - WR	
WGST 523	Gender and Popular Music - WR	
WGST 525	Art and Trauma	
WGST 560	Feminist Philosophical Literature	
WGST 571	Francophone Women Writers - WR	
WGST 582	Gender, Race and Culture in Health Care	
Women's, Gender and Sexuality Studies Social Science Electives		
Select four of the following, of which one must be at the 400+ level:		12
WGST 300	Sex, Gender, and Culture	
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
WGST 312	Sociology of Women's Health	
WGST 313	Sociology of Gender	
WGST 316	Gender, Sexuality & Law	
WGST 323	Queer Politics	
WGST 324	Communication and Gender	
WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 343	Faces of Global Poverty - WR	
WGST 344	Black Lesbian Lives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	
WGST 349	Color Complex of Black Women	
WGST 355	Women in American Politics	

WGST 364	Women's Health Issues - D1, SB	
WGST 394	Lectures in Women's, Gender and Sexuality Studies	
WGST 410	Black Feminism in Action	
WGST 411	Psychology of Women	
WGST 414	Gender and Work	
WGST 415	Sociology of Disabilities	
WGST 458	Women: International Perspective	
WGST 460	Gender in the Middle East	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	
WGST 532	History of American Sexualities - WR	
WGST 533	Women in 19th-Century America - WR	
WGST 538	Woman and Sport	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 547	Language, Race, Class, and Gender	
WGST 556	Feminist Theory - WR	
WGST 558	Women in Developing Countries - WR	
WGST 584	Women in East Asian History	
Elective in Women/Gender and Race		
Select one of the following:		3
WGST 342	Black Women Novelists - AH, D2, WR	
WGST 343	Faces of Global Poverty - WR	
WGST 346	Women in Africa: Historical and Literary Perspectives	
WGST 347	Racism and Sexism - D1, SB	
WGST 348	African-American Women - WR	
WGST 349	Color Complex of Black Women	
WGST 380	African-American Women in Theatre - AH, D1, WR	
WGST 410	Black Feminism in Action	
WGST 512	Gender, Race, Work, and Welfare	
WGST 513	U.S. Social Justice Movements	
WGST 540	Women's Health in Africa - WR	
WGST 543	Black Women's Voices - WR	
WGST 545	Southern Women: Black and White	
WGST 547	Language, Race, Class, and Gender	
WGST 582	Gender, Race and Culture in Health Care	
Elective in Women/Gender and History		
Select one of the following:		3
WGST 331	The History of Women, 1700 to the Present	
WGST 332	History of Childhood in America - D1, SBH, WR	
WGST 333	Women in Latin American History	
WGST 513	U.S. Social Justice Movements	
WGST 530	Feminism in Western Civilization, 1790-1920 - WR	
WGST 531	Women in the Twentieth Century in Europe and the U.S. - WR	
WGST 532	History of American Sexualities - WR	
WGST 533	Women in 19th-Century America - WR	
WGST 545	Southern Women: Black and White	

WGST 584	Women in East Asian History	6
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Electives in Women's, Gender and Sexuality Studies at the 300-level or above

Supporting Courses

Select either an approved A&S minor or one of the concentration options described below 27-33

Minor Options (Choose one of the following)

1. Minor in a Social Sciences discipline (18-21 hours) with 9 hours of electives at 300+ level in Humanities or Natural Sciences
2. Minor in a Natural Science discipline (18-21 hours) with 9 hours of electives at 300+ level in Humanities or Social Sciences
3. Minor in a Humanities discipline (18-21 hours) with 9 hours of electives at 300+ level in Social Sciences or Natural Sciences

Concentration Options (Choose one of the following)

1. Concentration in Social Sciences (18 hours of Social Science electives) with 9 hours of electives at 300+ level in Humanities or Natural Sciences

- At least 9 hours in a single Social Science discipline
- No more than 6 hours taken at the 200-level may be counted towards the concentration

- At least 12 hours must be 300+ level

- Up to 6 hours in the concentration can double-count in the major

2. Concentration in Natural Sciences (18 hours of Natural Science electives) with 9 hours of electives at 300+ level in Humanities or Social Sciences

- At least 9 hours in a single Natural Science discipline
- No more than 6 hours taken at the 200-level may be counted towards the concentration

- At least 12 hours must be 300+ level

- Up to 6 hours in the concentration can double-count in the major

3. Concentration in Humanities (18 hours of Humanities electives) with 9 hours of electives at 300+ level in Natural Sciences or Social Sciences

- At least 9 hours in a single Humanities discipline
- No more than 6 hours taken at the 200-level may be counted towards the concentration

- At least 12 hours must be 300+ level

- Up to 6 hours in the concentration can double-count in the major

Select one of the following Statistics, Research Methods, or Logic courses: 3

MATH 109	Elementary Statistics - QR	
BSTA 301	Business Statistics	
CJ 326	Quantitative Analysis - QR	
PAS 408	Research Methods in Pan-African Studies - WR	
POLS 390	Contemporary Political Research	
PSYC 301	Statistics for Psychology	
	or PSYC 302 Research Methods for Psychology	
SOC 301	Introduction to Social Statistics	
ANTH 511	Ethnographic Methods - WR	
PHIL 311	Introduction to Logic	

Minimum Electives³ 3-9

Minimum Total Hours 81

Code	Title	Hours
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Culminating Undergraduate Experience (Graduation requirement)

Requirement fulfilled by completing:

WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	
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Consult your WGST advisor about how the following Topics and Independent Study courses may count in your major:

Code	Title	Hours
WGST 390	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 391	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 392	Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR	3
WGST 393	Topics in Women's, Gender and Sexuality Studies: Humanities - WR	3
WGST 490	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 498	Senior Honors Thesis: Social Sciences - WR	3
WGST 499	Senior Honors Thesis: Humanities - WR	3
WGST 589	Independent Study: Women's, Gender and Sexuality Studies-Humanities	1-3
WGST 590	Independent Study: Women's, Gender and Sexuality Studies-Social Sciences	1-3
WGST 591	Topics in Women's, Gender and Sexuality Studies: Social Sciences	3
WGST 592	Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR	3
WGST 593	Topics in Women's, Gender and Sexuality Studies: Humanities	3
WGST 594	Topics in Women's, Gender and Sexuality Studies: Humanities - WR	3

¹ Completion of the second semester of a single foreign language; hours will vary depending on the language taken. Students who take fewer than 9 hours will require additional electives to complete the minimum hours for the degree.

² May be incorporated into other degree requirements

³ Students who satisfy General Education Requirements by courses defined by the program and those who satisfy the A&S foreign language requirement in fewer than 9 hours will require additional electives to complete the minimum hours for the degree.

Flight Plan

Course	Title	Hours
Year 1		
Fall		
GEN 100	Student Success Center Orientation	1
or GEN 101	or Arts and Sciences Orientation	
ENGL 101	Introduction to College Writing - WC	3
WGST 201	Women In American Culture - D1, SB	3
General Education: Cardinal Core Natural Sciences - S		3
General Education: Cardinal Core Natural Sciences Lab - SL		1
General Education: Cardinal Core Arts & Humanities - AH		3
Hours		14

Spring		
General Education: Cardinal Core Quantitative Reasoning - QR		3
General Education: Cardinal Core Arts & Humanities Global Diversity - AHD2		3
Women's, Gender and Sexuality Studies Humanities elective		3
Women's, Gender and Sexuality Studies Social Science elective		3
Course in minor or focus		3
Hours		15

Year 2		
Fall		
WGST 199 or ENGL 102	Writing in Women's, Gender and Sexuality Studies - WC or Intermediate College Writing - WC	3
Women's, Gender and Sexuality Studies Race & Gender elective		3
WGST 203	Gender Issues in Public Dialogue - D1, OC	3
Women's, Gender and Sexuality Studies History elective		3
General Education: Cardinal Core Social & Behavioral Sciences Historical Perspective - SBH		
General elective		3
Hours		15

Spring		
General Education: Cardinal Core Natural Sciences - S		3
Statistics, Research Methods, or Logic course		3
Course in minor or focus		3
Supporting course (in discipline outside the minor or focus)		3
General Elective		3
Hours		15

Year 3		
Fall		
Foreign Language 1		3-4
Women's, Gender and Sexuality Studies Humanities elective and WR		3
Women's, Gender and Sexuality Studies Social Science elective		3
Women's, Gender and Sexuality Studies elective (300 level or above)		3
Course in minor or focus		3
Hours		16

Spring		
Women's, Gender and Sexuality Studies Social Science elective		3
Supporting course (outside of minor or focus)		3
Course in minor or focus		3
Foreign Language 2		3-4
General Elective		3
Hours		16

Year 4		
Fall		
WGST 401	Community Internship	3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Women's, Gender and Sexuality Studies Humanities elective (400+ level)		3
Course in minor or focus		3
General Elective		3
Hours		15

Spring		
Women's, Gender and Sexuality Studies Social Science elective (400+ level)		3
Course in minor or focus		3
Supporting course (outside of minor or focus)		3
Women's, Gender and Sexuality Studies elective (300 level or above)		3
General Elective		3
Hours		15

Minimum Total Hours 121

to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:

1. Log into your ULink account.
2. Click on the Student Services tab.
3. Next, click on "View my Academic Advisement Report" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (<https://ulink.louisville.edu>)

Flight Planner

Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.

Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan

MINORS



Undergraduate Minors

Minors are non-degree areas of academic focus that often complement a student's coursework in a primary program of study. Minors are not stand-alone programs—students must be enrolled in an degree-seeking, undergraduate (i.e., bachelor's degree) program of study.

- #
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A

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- Aerospace Studies (Minor) (p. 436)
- Anthropology, Socio-Cultural (Minor) (p. 462)
- Archaeology (Minor) (p. 437)

- Art (Minor) (p. 437)
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B

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- Black Performance Studies (Minor) (p. 439)
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C

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E

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F

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G

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H

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I

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J

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L

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M

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P

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R

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S

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T

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U

- Urban and Regional Analysis (Minor) (p. 464)

W

- Wellness Coaching (Minor) (p. 465)
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Actuarial Mathematics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Actuarial Mathematics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Mathematics (<http://www.math.louisville.edu>)

Program Requirements

Code	Title	Hours
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
MATH 301	Calculus III	4
MATH 372	Theory of Interest	3
or MATH 562	Mathematical Statistics	
MATH 561	Probability	3
MATH 570	Foundations of Actuarial Science	3
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

For a minor in Mathematics, at least six (6) hours in courses numbered 311 or higher must be successfully completed in the Department of Mathematics at the University of Louisville.

Aerospace Studies (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Aerospace Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Aerospace Science (<http://www.louisville.edu/a-s/afrotc>)

Program Requirements

Track I

For students with no prior military service

Code	Title	Hours
AIRS 101	Foundations of the U.S. Air Force I	1
AIRS 102	Foundations of U.S. Air Force II	1
AIRS 201	Evolution of U.S. Air Power I	1
AIRS 202	Evolution of U.S. Air Power II	1
AIRS 311	Air Force Leadership Studies I	3
AIRS 312	Air Force Leadership Studies II	3
AIRS 411	National Security Affairs I	3
AIRS 412	National Security Affairs II	3
Select six hours from the following:		6
HIST 314	History of US Foreign Relations II	

Any History course approved for the "Asia, Africa, Latin America" area of the major in History

POLS 330	International Relations
POLS 333	American Foreign Policy
POLS 338	National and International Security: Issues and Policies
POLS 339	Terrorism
3-6 hours in languages (in additional to any language requirements of the student's major)	
Minimum Total Hours	22

Track II

For students who enter the program after their sophomore year or students with prior military service who have received credit for AIRS 101, AIRS 102, AIRS 201 and AIRS 202 from the Department Chair.

Students in this track who have not received credit for these courses will take them during an extended summer Field Training encampment.

Code	Title	Hours
AIRS 311	Air Force Leadership Studies I	3
AIRS 312	Air Force Leadership Studies II	3
AIRS 411	National Security Affairs I	3
AIRS 412	National Security Affairs II	3
Select 9 hours from the following:		9
HIST 314	History of US Foreign Relations II	
Any History course approved for the "Asia, Africa, Latin America" area of the major in History		
POLS 330	International Relations	
POLS 333	American Foreign Policy	
POLS 338	National and International Security: Issues and Policies	
POLS 339	Terrorism	
3-9 hours in languages (in addition to any language requirements of the student's major)		
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Archaeology (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Archaeology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Anthropology (<http://www.louisville.edu/a-s/anthro>)

Program Requirements

Code	Title	Hours
Select three of the following:		9-11
ANTH 201	Introduction to Cultural Anthropology - D2, SB	
ANTH 202	Biological Anthropology - S	
ANTH 203	Archaeology of Human History - D2, SBH	

ANTH 204	Archaeology - D2, SB	
ANTH 206	Principles of Archaeology - B	
ANTH 207	Principles of Biological Anthropology - B	
Select two of the following:		6
ANTH 311	Emergence of Human Culture - SBH	
ANTH 312	Rise of Civilization	
ANTH 326	African Archaeology	
ANTH 327	Fundamentals of Skeletal Forensics	
ANTH 329	Zooarchaeology	
ANTH 330	Urban and Historic Archaeology	
ANTH 377	Field Methods in Archaeology	
ANTH 509	Archaeological Theory and Methods - WR	
ANTH 530	Human Impacts on Past Environments	
Select two of the following:		6
ANTH 302	Underwater Archaeology	
ANTH 304	Prehistoric Archaeology Europe - SBH	
ANTH 316	Ancient Civilizations of Mesoamerica	
ANTH 320	Indians of North America - D1, SBH	
ANTH 322	Archaeology of North America - SBH	
ANTH 339	The Anthropology of Space and Place	
ANTH 364	Special Topics in Archaeology	
ANTH 378	Lithic Technology	
ANTH 379	Ceramic Analysis	
ANTH 401	Cooperative Internship in Anthropology	
ANTH 526	Archaeology as Practice	
ANTH 564	Special Topics in Archaeology	
Minimum Total Hours		21-23

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Art (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Art

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Fine Arts (<http://louisville.edu/art>)

Program Requirements

Code	Title	Hours
ART 105	Foundation 2-D Design	3
ART 106	Foundation 3-D Design	3
ART 107	Foundation Drawing	3
Select one of the following:		3
ART 206	Foundation Art Concepts and Methods	
ART 207	Foundation Figure Drawing	
Select four of the following:		12
ART 301	Introduction to Painting	
ART 305	Drawing and Composition	
ART 311	Introduction to Glassmaking Techniques	
ART 321	Introduction to Sculpture	

ART 331	Introduction to Clay	
ART 341	Introduction to Printmaking	
ART 351	Introduction to Black and White Photography	
ART 361	Introduction to Interior Design	
ART 381	Introduction to Fiber/Mixed Media	
ART 383	Papermaking	
ART 385	Introduction to Book Arts	
ART 390	Special Problems in Studio Art	
Minimum Total Hours		24

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Note: Admission to the Minor in Art is on a space-available basis.

Art History (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Art History

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Fine Arts (<http://louisville.edu/art>)

Academic Plan Code(s): ARTHMINOR

Program Requirements

Admissions to the minor in Art History requires a minimum GPA of at least 2.0. Applications are available from the department upon request. Please contact the department for more information and to request an application by emailing hite@louisville.edu.

An approved Art BA studio major who wishes to add an art history minor should contact the department for further instructions.

Code	Title	Hours
Select two of the following:		6
ARTH 250	Ancient Through Medieval Art - AH	
ARTH 270	Renaissance Through Modern Art - AH	
ARTH 290	Survey of Asian Art - AH, D2	
ARTH electives at 300 level, including no more than one from each of these areas: Pre-1750, After 1750, Non-Western		9
Art History elective at 500 level		3
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Asian Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Asian Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Program: Asian Studies (<http://louisville.edu/asianstudies>)

Academic Plan Code(s): AST_MINOR

Note: Admission to the major requires a minimum 2.0 cumulative University of Louisville GPA.

Program Requirements

Code	Title	Hours
AST 310	Introduction to Asian Studies	3
Electives in Humanities (excluding Asian languages)		
Select two of the following:		6
AST/CHST 270 Chinese Contributions to the World - AH, D2		
AST/ARTH 290	Survey of Asian Art - AH, D2	
AST/ARTH 331	Chinese Art	
AST 330/ ARTH 335	Twentieth Century Chinese Artists and Architecture - AH, D2	
AST/ARTH 337	East Asia Landscape Art	
ARTH 339	Architecture and Gardens in China and Japan	
AST/ARTH 531	Studies in Asian Art	
AST 390	Topics in Asian Studies-Humanities	
CHST: any course		
HUM 307	East Asian Cultures - AH, D2	
HUM 341	South Asian Religious Thought and Culture - AH, D2	
HUM 342	Eastern Mysticism	
HUM 343	East Asian Religious Thought and Culture - AH, D2	
M L 270	Chinese Contributions to the World - AH, D2	
M L 310	Japanese Culture Through Film - AH, D2	
M L 313	Special Topics in Language, Literature, or Culture	
TA 567	Asian Theatre	
Electives in Social Sciences		
Select two of the following:		6
AST/ANTH 317	Anthropology of China - D2, SB	
AST/GEOG 316	Geography of South Asia	
AST 390	Topics in Asian Studies-Humanities	
AST/HIST 396	History of India	
AST/HIST 398	Modern China	
AST/HIST 397	Traditional China	
AST/HIST 598	Nationalism and Modernity in East Asia	
AST/POLS 365	The People's Republic of China - WR	
AST/POLS 366	Politics of East Asia	
AST/POLS 367	Politics and Government of Southeast Asia	
HIST 561	U.S. and Vietnam - CUE, WR	
HIST 584	Women in East Asian History	
HIST 591	Civilizations of Ancient and Medieval India - CUE, WR	
HIST 592	Civilizations of Modern India - CUE, WR	
POLS 345	Russia and Eurasia - WR	
POLS 362	Comparative Political Economy	
POLS 437	The United States and East Asia - WR	
Electives in Language		

Any course in Chinese or Japanese language	3
Minimum Total Hours	18

Many departments offer topics courses that may have an Asian focus, including ARTH 342/ARTH 542 and ARTH 593; GEOG 590; HUM 511, HUM 512; M L 313; WGST 591. Such courses may apply to the minor in Asian Studies with the permission of the program director, who will determine which requirements such courses meet.

No more than 12 hours approved for the minor in Chinese Studies may also apply to the minor in Asian Studies.

Students are encouraged to participate in a study abroad program in Asia. Such a program will substitute for an elective in an area approved by the program director. Credit hours applied to the minor will be determined by the program director.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

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Biology (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Biology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Biology (<http://louisville.edu/biology>)
Academic Plan Code(s): BIOLMINOR

Admission to the Minor in Biology Requires:

Completion of BIOL 240, BIOL 242 and BIOL 244 with a grade of C or better; completion of MATH 111 with a grade of C or better OR placement into a mathematics course above the level of MATH 111 on the basis of either the University of Louisville mathematics placement examination or ACT/SAT score; and a minimum overall grade point average of 2.0.

Program Requirements

Code	Title	Hours
BIOL 240	Unity of Life - S ¹	3
BIOL 242	Diversity of Life - S ¹	3
BIOL 244	Principles of Biology Laboratory - SL ¹	2
BIOL 329	Cellular and Molecular Biology	3

BIOL 330	Genetics and Molecular Biology	5
& BIOL 331	Genetics and Molecular Biology: Laboratory	
BIOL 363	Principles of Ecology	3
Biology Electives ²		2
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Fulfills General Education requirement.

² BIOL 102, BIOL 104, BIOL 257, BIOL 258, BIOL 260, BIOL 261, BIOL 262 and BIOL 263 may not count toward electives in the minor.

Black Performance Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Black Performance Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Departments: Theatre Arts (<http://www.louisville.edu/a-s/ta>) and Pan-African Studies (<http://www.louisville.edu/a-s/pas>)
Academic Plan Code(s): BPS_MINOR

Program Requirements

Code	Title	Hours
PAS 210	Introduction to Pan-African Literature - AH, D2	3
TA 326/PAS 355	Cultural Diversity in Performance - AH, D1	3
TA 365/PAS 315	Theatre of the African World - AH, D2	3
Select one of the following courses:		3
PAS 319	African-American History I - D1, SBH	
PAS 329	Slave Trade and Slavery	
PAS 394	African History Since 1800 - D2, SBH	
Select three courses from the following list:		9
TA 322/ PAS 353	Acting the Black Experience - AH, D1	
TA 357	Introduction to Hip-Hop Theatre - AH, D1, WR	
TA 363/ PAS 350	African-American Women in Theatre - AH, D1, WR	
TA 366/ PAS 356	History of the African-American Theatre - AH, D1, WR	
TA/PAS 367	Black Dramatic Literature - AH, D1	
TA 423	Directing the Black Experience	
TA 455 or PAS 390	Independent Study	
PAS/MUH 214	African-American Music - AH, D1	
PAS/MUH 218	Survey of American Jazz - AH, D1	
PAS 342	Black Women Novelists - AH, D2, WR	
PAS 381/ ARTH 341	African Art: A Survey	
PAS 385	Women in Africa: Historical and Literary Perspective	
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Business Administration (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Business Administration

Unit: College of Business (<http://business.louisville.edu>)

Academic Plan Code(s): BA_ _MINOR

The College of Business offers a minor in business for students in other colleges and schools at the University of Louisville. Enrollment is limited in the business minor because of the large demand for courses by business majors.

To be admitted to the minor in Business Administration and be permitted to pursue the program core coursework, a student must have completed the following:

- Fifty-one (51) or more semester hours with a cumulative grade point average of 2.8 or higher;
- ECON 201 and ECON 202; and
- The business program prerequisite coursework with a GPA of 2.8.

Upon completion of the admission requirements and formal application, the student is admitted into the Business Administration minor program based on the student's academic performance and the space available. An appointment may be made during the semester that the program prerequisites are being completed to begin the application process.

Program Requirements

Code	Title	Hours
Admission Prerequisites		
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
Program Prerequisites		
<i>Non-Business students must have a 2.8 GPA in Program Prerequisites before applying for the minor.</i>		
BSTA 301	Business Statistics (previously BSTA 201) ¹	3
ACCT 201	Principles of Financial Accounting ²	3
ACCT 202	Principles of Managerial Accounting ²	3
Business Core		
CIS 205	Information Systems in Organizations	3
MGMT 301	Management and Organizational Behavior	3
MKT 301	Principles of Marketing	3
FIN 301	Corporate Finance	3
CIS 305	Data Analysis for Decision-Making	3
Business Elective ³		3
Minimum Total Hours		33

2.0 GPA in Business Administration minor program core coursework and a 2.0 cumulative UofL GPA are required for graduation.

¹ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326

² ACCT 205 may substitute for ACCT 201 and ACCT 202

³ Must be at the 300 level or above.

Chemistry (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Chemistry

Unit: College of Arts and Sciences (AS) (<http://louisville.edu/artsandsciences>)

Department: Chemistry (<http://louisville.edu/chemistry>)

Academic Plan Code(s):CHM_MINOR, CHM1MINOR, CHM2MINOR

A student may choose either the Life Science track/Track I or Physical Science track/Track II (requirements below).

Program Requirements

Track I, Life Science Track

Code	Title	Hours
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207 & CHEM 208	Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	2
CHEM 209 & CHEM 210	Introduction to Chemical Analysis III Introduction to Chemical Analysis IV	2
CHEM 341	Organic Chemistry I	3
CHEM 342	Organic Chemistry II	3
CHEM 343	Organic Chemistry Laboratory I	2
CHEM 344	Organic Chemistry Laboratory II	2
CHEM 441	Elements of Physical Chemistry	3
Minimum Total Hours		23

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Track II, Physical Science Track

Code	Title	Hours
CHEM 201	General Chemistry I - S	3
CHEM 202	General Chemistry II - S	3
CHEM 207 & CHEM 208	Introduction to Chemical Analysis I - SL Introduction to Chemical Analysis II - SL	2
CHEM 209 & CHEM 210	Introduction to Chemical Analysis III Introduction to Chemical Analysis IV	2
CHEM 341	Organic Chemistry I	3
CHEM 465	Physical Chemistry I	3
CHEM 466	Physical Chemistry II	3
CHEM 450 or CHEM 470	Introduction to Computational Chemistry and Molecular Modeling Physical Chemistry Laboratory - WR	2-3
Minimum Total Hours		21-22

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Chinese (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Chinese

Unit: College of Arts and Sciences (AS) (p. 86)
Department: Classical and Modern Languages

Program Requirements

Code	Title	Hours
CHNS 202	Intermediate Chinese II	3
CHNS 301	Advanced Intermediate Chinese I	3
CHNS 302	Advanced Intermediate Chinese II	3
Select three of the following:		9
CHNS 311	Independent Study	
CHNS 321	Chinese Conversation I	
CHNS 322	Chinese Conversation II	
CHNS 455	Advanced Readings in Chinese I	
CHNS 456	Advanced Readings in Chinese II	
CHNS 551	Special Topics	
CHST 313	Special Topics	
CHST 335	China Through Film - AH, D2	
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Chinese Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Chinese Studies

Unit: College of Arts and Sciences (AS) (<http://louisville.edu/artsandsciences>)
Program: Asian Studies (<http://louisville.edu/asianstudies>)
Academic Plan Code(s): CHSTMINOR

Program Requirements

Code	Title	Hours
CHNS 301	Advanced Intermediate Chinese I	3
CHNS 302	Advanced Intermediate Chinese II	3
Select two of the following:		6
CHST 313	Special Topics	
CHST 323	Doing Business in China	
CHST 331	Chinese Culture and Tradition	
CHST 333	Contemporary China	
CHST 335	China Through Film - AH, D2	
CHST 341	Ethnicity and Religion in China	
CHST 351	Chinese Literature in Translation I - AH, D2	
CHST 353	Chinese Literary Theory	
CHST 361	Western Literature in China	
Select two of the following: ¹		6

ANTH 317	Anthropology of China - D2, SB
ARTH 335	Twentieth Century Chinese Artists and Architects - AH, D2
ARTH 337	Eastern Asia Landscape Art
ARTH 339	Architecture and Gardens in China and Japan
ARTH 342	Selected Topics in Art History ²
ANTH 531	Anthropology of Water
ARTH 542	Special Topics ²
ARTH 631	Topics in Asian Art
AST/CHST 270	Chinese Contributions to the World - AH, D2
HIST/AST 397	Traditional China
HIST/AST 398	Modern China
HUM 307	East Asian Cultures - AH, D2
HUM 342	Eastern Mysticism
HUM 343	East Asian Religious Thought and Culture - AH, D2
HUM 369	Asian Theatre
M L 270	Chinese Contributions to the World - AH, D2
POLS 365	People's Republic of China - WR

Minimum Total Hours 18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Substitutions may be made with the approval of the Chinese Studies Advisor.

² When topic is appropriate

Communication (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Communication

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Communication (<http://louisville.edu/communication>)
Academic Plan Code(s): COMMMINOR

Admission to the minor in Communication requires completion of COMM 201 with a grade of C or better and a minimum cumulative GPA of 2.0.

Program Requirements

Code	Title	Hours
COMM 201	Introduction to Communication - SB	3
COMM 316	Research Methods ¹	3
Select one of the following:		3
COMM 303	Introduction to Communication Technologies	
COMM 304	Argument In Everyday Life	
COMM 305	Introduction to Mass Communication	
COMM 315	Introduction to Interpersonal Communication	
Communication electives at the 200-level or above ²		9-12
Minimum Total Hours		18-21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

- ¹ Or another social science methods course
² Students must complete 12 hours of Communication electives if the social science methods course is taken in another discipline.

Community Health (Minor)

Minor in Community Health

Unit: College of Education and Human Development (<http://louisville.edu/education>)

Department: Health and Sport Sciences (<http://louisville.edu/education/departments/hss>) (HSS)

Academic Plan Code(s): CMH_MINOR

The Community Health minor has been suspended to further enrollment, effective Summer 2018.

Program Requirements

Code	Title	Hours
HSS 302	Nutrition in Healthy Living	3
HSS 310	Healthy Lifestyles II	3
HSS 430	Epidemiology of Health, Physical Activity and Nutrition	3
HSS 434	Public Health Education Methods	3
HSS 431	Leadership in Health Promotion - CUE	3
Select 9 hours from the following:		9
HSS 364	Women's Health Issues - D1, SB	
HSS 382	Wellness Coaching	
HSS 388	Principles of Athletic Conditioning ¹	
HSS 432	Biostatistics in Health and Exercise Science ¹	
HSS 501	Stress and Tension Control ¹	
HSS 462	Alcohol and Drug Education (previously HSS 562)	
HSS 503	Obesity: Causes, Control ¹	
HSS 504	Physical Activity and Health	
HSS 505	Stress and Disease	
HSS 567	Healthy Sexuality and AIDS Education	
Minimum Total Hours		24

A 2.50 GPA is required in the minor.

Only one grade of D will be accepted in coursework required for the minor.

- ¹ Please note that these courses have prerequisite requirements which may not be listed in the courses above.

Computer Information Systems (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Computer Information Systems

Unit: College of Business (BU) (<http://louisville.edu/business>)

Department: Computer Information Systems (<http://business.louisville.edu/cis>)

Academic Plan Code(s): CIS_MINOR

Available to College of Business students only.

Program Prerequisites

Code	Title	Hours
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
One of the following statistics courses:		3
BSTA 301	Business Statistics (recommended)	
CJ 326	Quantitative Analysis - QR	
PSYC 301	Statistics for Psychology	
SOC 301	Introduction to Social Statistics	
MATH 109	Elementary Statistics - QR	
BUS 201	Career Development	1
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
Minimum Total Hours		22

Program Core

Code	Title	Hours
CIS 150	Fundamentals of Information Systems	3
CIS 199	Software Development I	3
CIS 310	Database Design	3
CIS 320	Systems Analysis and Design	3
CIS 350	Infrastructure Technologies	3
Minimum Total Hours		15

An average GPA of 2.0 in the core courses is required for graduation.

Computer Engineering (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Computer Engineering

Unit: Speed School of Engineering (<http://engineering.louisville.edu>) (SS)

Department: Computer Science and Engineering (<http://engineering.louisville.edu/computer>)

Academic Plan Code: CECSMINOR

Program Requirements

The Minor in Computer Engineering program is for undergraduate students in the J.B. Speed School of Engineering (SSoE) who are majoring in disciplines other than Computer Engineering and Computer Science (CECS).

Prerequisite for admission to the minor in Computer Engineering is admission in a SSoE Bachelor of Science program other than CECS. Students should see their advisor for admission details.

The Computer Engineering minor requires successful completion of the following 19 or 20 credit hours with a GPA of 2.25 or higher:

Required Coursework

Code	Title	Hours
CECS 130	Introduction to Programming Languages	3
CECS 302	Data Structures ¹	3
CECS 420	Design of Operating Systems ²	3
CECS/ECE 412	Introduction to Embedded Systems ³	3
CECS 525/ ECE 516	Microcomputer Design ⁴	4
Select one of the following:		3-4
CECS 516/ ECE 518	Fundamentals of Computer Communications and Networks ⁵	
CECS 510 & ECE 511	Computer Design Computer Design Laboratory ⁶	
ECE 510 & ECE 511	Computer Design Computer Design Laboratory ⁶	
Minimum Total Hours		19-20

¹ Prerequisite: CECS 130.

² Prerequisite: CECS 302.

³ Prerequisite: ECE 210 and Junior standing. This course is not included in the required coursework for the Computer Engineering minor.

⁴ Prerequisite: CECS 412/ECE 412.

⁵ Three (3) credit hours. Prerequisites: CECS 412/ECE 412 and ECE 360/IE 360. ECE 360/IE 360 is not included in the required coursework for the Computer Engineering minor.

⁶ Four (4) credit hours. Prerequisites: ECE 210 and ECE 211. These courses are not included in the required coursework for the Computer Engineering minor.

Criminal Justice (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Criminal Justice

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Criminal Justice (<http://louisville.edu/justice>)

Academic Plan Code(s): JA_MINOR

Program Requirements

Code	Title	Hours
CJ 200	Crime and Justice in the United States - SB	3
CJ 201	Law Enforcement in the United States - SB	3
CJ 202	Corrections in the United States - SB	3
CJ 305	Criminal Behavior	3
CJ 306	Criminal Procedure	3
CJ 360	Juvenile Justice	3
CJ elective at the 300 level or above		3
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Economics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Economics

Unit: College of Business (BU) (<http://business.louisville.edu>)

Department: Economics (<http://business.louisville.edu/economics>)

Academic Plan Code(s): EC_MINOR

Program Requirements

Code	Title	Hours
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
ECON 301	Intermediate Microeconomics	3
ECON 302	Intermediate Macroeconomics	3
Electives in Economics at 300-level or above		6
Minimum Total Hours		18

Available to both business majors and non-business majors.

An average GPA of 2.0 in the minor courses is required.

English Creative Writing (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in English Creative Writing

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: English (<http://louisville.edu/english>)

Academic Plan Code(s): ENGCMINOR

Program Requirements

Code	Title	Hours
ENGL 202	Introduction to Creative Writing - AH	3
ENGL 304 or ENGL 305	Creative Nonfiction Intermediate Creative Writing Workshop	3
ENGL 403	Advanced Creative Writing	3
One Creative Writing Elective		3
Two literature electives at the 300 level or above		6
Minimum Total Hours		18

Students wishing to major in English and minor in Creative Writing will have to earn a minimum of 126 credits to complete both the major and the minor.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

English Literature (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in English Literature

Unit: College of Arts and Sciences (AS) (<https://louisville.edu/artsandsciences>)
Department: English (<http://louisville.edu/english>)
Academic Plan Code(s): ENGLMINOR

Program Requirements

Code	Title	Hours
ENGL 300 or ENGL 310	Introduction to English Studies - WR Writing About Literature for Non-Majors - WR	3
Two English electives in pre-1900 literature (any level) ¹		6
Two English electives in post-1900 literature (any level) ¹		6
ENGL 491	Interpretive Theory: The New Criticism to the Present	3
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Of the four electives, at least one must be at the 400 or above level

Entrepreneurship (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Entrepreneurship

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Academic Plan Code(s): ENTRMINOR

The College of Business offers a minor in Entrepreneurship that is available to students from any academic unit.

Admission to the program is competitive. To be admitted to the minor, a student must meet the following requirements:

1. Have a cumulative GPA of at least 2.80 cumulative GPA,
2. Complete ENTR 350 with a grade of B-minus or better, and
3. Receive permission from the department.

Program Requirements

Code	Title	Hours
ENTR 350	Entrepreneurship ¹	3
ENTR 401	Entrepreneurship I ²	3
ENTR 402	Entrepreneurship II ²	3
ENTR 403	Entrepreneurship III ²	3
Minimum Total Hours		12

For graduation with the minor, all required courses must be completed with a minimum GPA of 2.0 in the minor.

¹ Must be completed with a grade of B-minus or better for admission to the minor.

² Admission to the Entrepreneurship minor is a requirement for this course.

Environmental Analysis (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Environmental Analysis

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Geography (<http://louisville.edu/geography>)
Academic Plan Code(s): ENVAMINOR

Program Requirements

Code	Title	Hours
GEOS 200	The Global Environment - S	3
GEOS 363	Climate Science	3
GEOS 367	Geomorphology	3
GEOS 564	Hydrology	3
Select three of the following:		9
GEOG 350	Introduction to Mapping and Geospatial Technologies	
GEOG 355	Introduction to Remote Sensing	
GEOG 361	Sustainable Human Environments - WR	
GEOG 390	Special Topics ¹	
GEOG 558	Introduction to Geographic Information Systems	
GEOG 590	Special Topics ¹	
GEOS 220	Contemporary Issues in Meteorology - S	
GEOS 360	Global Environmental Change	
GEOS 365	Biogeography	
GEOS 565	Natural Hazards	
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Must be an environmental topic.

Environmental Health (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Environmental Health

Unit: School of Public Health & Information Sciences (<http://louisville.edu/sphis>)
Academic Plan Code(s): EH_ _MINOR

The Environmental Health minor is not accepting new enrollments for the 2019-2020 Academic Year.

The Environmental Health minor will expose students to basic principles of how the environment affects health, how toxic materials are distributed in the environment, how environmental agents with adverse effects on health are measured, how these agents contribute to the burden of human disease, and how regulations pertinent to environmental health are devised and promulgated. Students will develop critical thinking skills necessary to evaluate environmental hazards and exposures, assess health risks, and formulate rational policy decisions.

The Environmental Health minor can be pursued as a type of specialization within the field of public health—e.g., by Public Health majors, as adjunct preparation for other health fields, such as medicine or nursing—or as an applied field of basic science, such as biology or chemistry. The goal of the program will be to provide students with a solid foundation for further education or careers related to environmental health.

Program Requirements

Code	Title	Hours
PHEH 301	Public Health and Our Environment	3
PHEH 305	Environmental Toxicology	3
PHEP 441	Epidemiological Concepts and Methods for Public Health	3
PHEP 310	Environmental Epidemiology	1
PHEH 315	Environmental Health and Public Health Practices	2
Guided Electives (from the following list)		6
PHEH 320	Environmental Policy and Risk Assessment in Public Health	
BIOL 263	Environmental Biology - B	
BIOL 395	Basic Pharmacology	
BIOL 363	Principles of Ecology	
BIOL 372	Evolutionary Ecology of Disease	
BIOL 440	Global Change Ecology - CUE	
CHEM 425	Instrumental and Statistical Analysis	
CHEM 445	Survey of Biochemistry	
COMM 430	Health Communication - CUE, WR	
GEOG 340	Environmental Conflict in the United States: Historical Foundations & Contemporary Problems - D1, SBH	
GEOG 522	GIS and Public Health	
GEOG 540	Geography and Human-Environment Interactions	
GEOG 558	Introduction to Geographic Information Systems	
SUST 201	Environmental Management	
Minimum Total Hours		18

Equine Business (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Equine Business

Unit: College of Business (<http://www.louisville.edu/business>) (BU)
 Department: Equine Industry (<http://business.louisville.edu/equine>)
 Program Website (<http://business.louisville.edu/faqs/minor-in-equine-business>)
 Academic Plan Code(s): EQINMINOR

The minor in Equine Business is open to all students at the University of Louisville.

Completion of business program prerequisites with a 2.8 GPA is required for acceptance into the Equine Business minor. Upon completion of the admission requirements and a formal application, the student is admitted into the minor based on the student's academic performance.

For graduation, in addition to all other degree requirements, a 2.0 GPA is required in the equine courses.

Students who are not enrolled in the College of Business, may contact Terri Burch at 852–4859 for more information about the minor.

Program Prerequisites

Code	Title	Hours
ACCT 201	Principles of Financial Accounting	3
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
BSTA 301	Business Statistics (or equivalent coursework) ¹	3
CIS 205	Information Systems in Organizations	3
Minimum Total Hours		15

Program Requirements

Code	Title	Hours
CIS 305	Data Analysis for Decision-Making	3
EQIN 302	Equine Economics	3
EQIN 304	Equine Marketing	3
EQIN 403	Equine Financial Management	3
Equine Business (EQIN) electives ²		3
Minimum Total Hours		15

¹ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326

² Any Equine course except EQIN 402 and Co-Op

Exercise Science (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Exercise Science

Unit: College of Education and Human Development (<http://www.louisville.edu/edu>)

Department: Health and Sports Sciences (HSS) (<http://www.louisville.edu/edu/hpes>)

Academic Plan Code(s): ESSMMINOR

Program Requirements

Code	Title	Hours
HSS 202	Human Anatomy & Physiology	3
HSS 320	Growth and Motor Development Across the Lifespan	3
HSS 387	Biomechanics	3
HSS 388	Principles of Athletic Conditioning	3
HSS 394	Foundations of Exercise Physiology	3
HSS 395	Fitness Assessment and Prescription	3
HSS 396	Lab Methods in Fitness Evaluation	3
Minimum Total Hours		21

A 2.50 GPA is required in the minor, and all courses must be completed at a C-minus or above.

Film Studies and Production (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Film Studies and Production

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Communication (<http://comm.louisville.edu/department>)
Academic Plan Code(s): FSPRMINOR

Program Requirements

Code	Title	Hours
HUM 224	Introduction to Film - AH, D2	3
HUM 324	Approaches to Film Interpretation	3
COMM 335	Video Communication	3
or COMM 338	Introduction to Film Production	
COMM 336	Video Communication II	3
or COMM 339	Fiction Film Production	
Select two courses from the following: ²		6
CHST 335	China Through Film - AH, D2	
FREN 329	Paris in Literature and Film	
HUM 325	Survey of Film and Culture	
HUM 326	Studies in Film and Culture ¹	
HUM 524	Special Topics in Film Study ¹	
PAS 341	Black Film and Literature - AH, D1	
COMM 326/ PAS 312	African Americans in American Media	
POLS 552	Politics through Film	
Minimum Total Hours		18

No more than six (6) hours taken to fulfill this minor may also be applied to the student's major program.

A minimum of three (3) hours for the minor must be completed while enrolled at the University of Louisville.

¹ May be taken twice with two different topics.

² In addition to the listed electives, relevant special topics courses at or above the 300-level may be counted in the minor with the approval of the Director of Film Studies and Production.

Finance (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Finance

Unit: College of Business (<http://business.louisville.edu>) (BU)
Department: Finance (<http://business.louisville.edu/finance>)
Academic Plan Code(s): FIN_MINOR

The College of Business offers a minor in Finance available to all UofL students. Completion of program prerequisites with a 2.8 grade point average and a 2.8 cumulative grade point average is required before enrolling in the Finance minor program core courses.

For graduation (in addition to all other degree requirements) a 2.0 GPA is required in the Finance minor courses.

Program Requirements

Code	Title	Hours
Program Prerequisites		
<i>Non-Business students must have a 2.8 GPA in Program Prerequisites before applying for the minor.</i>		
ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting	3
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
BSTA 301	Business Statistics (previously BSTA 201) ¹	3
Finance Core		
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
FIN 301	Corporate Finance ²	3
FIN 370	International Finance ²	3
FIN 401	Investments ²	3
FIN 433	Financial Markets and Institutions ²	3
Minimum Total Hours		33

2.0 GPA in Finance minor program core coursework and a 2.0 cumulative UofL GPA are required for graduation.

¹ The following courses will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326

² Must have a grade of B or better in FIN 301 in order to continue in the minor.

Forensic Anthropology (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Forensic Anthropology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Anthropology (<http://www.louisville.edu/a-s/anthro>)
Academic Plan Code(s): FORSMINOR

Program Requirements

Code	Title	Hours
ANTH 202	Biological Anthropology - S	3-4
or ANTH 207	Principles of Biological Anthropology - B	
ANTH 204	Archaeology - D2, SB	3-4
or ANTH 206	Principles of Archaeology - B	
ANTH 327	Fundamentals of Skeletal Forensics	3
ANTH 410	Skeletal Forensics	3
CHEM 201	General Chemistry I - S	3
or BIOL 260	Human Anatomy & Physiology I	
Select two of the following:		6
ANTH 329	Zooarchaeology	
ANTH 354	Anthropology of Infectious Disease	
ANTH 377	Field Methods in Archaeology	
ANTH 401	Cooperative Internship in Anthropology	
ANTH 510	Methods in Biological Anthropology - WR ¹	
ANTH 512	Methods in Skeletal Forensics - WR ¹	
CJ 355	Criminalistics	
CJ 425	Profiling Violent Crimes	
PSYC 383	Forensic Psychology	
Minimum Total Hours		21-23

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Meets the A&S upper-level requirement in written communication (WR)

French (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in French

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<https://louisville.edu/modernlanguages>)
Academic Plan Code(s): FRENMINOR

Program Requirements

Code	Title	Hours
FREN 320	French Skills Overview	3
FREN 321	French Conversation	3
FREN 322	Written Expression - WR	3
Electives in French at the 300 level or above		9
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Geography (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Geography

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Geography (<http://louisville.edu/geography>)
Academic Plan Code(s): GEOGMINOR

Program Requirements

Code	Title	Hours
GEOG 200	Human Geography in a Changing World - D2, SB	3
Select one of the following:		3
GEOG 350	Introduction to Mapping and Geospatial Technologies	
GEOG 355	Introduction to Remote Sensing	
GEOG 558	Introduction to Geographic Information Systems	
Select one advanced Social Geography course from the following:		3
GEOG 327	Economic Geography	
GEOG 328	Urban Geography	
GEOG 331	Population Geography	
GEOG 530	Transportation Geography	
Select one advanced Geosciences course from the following:		3
GEOS 363	Climate Science	
GEOS 365	Biogeography	
GEOS 367	Geomorphology	
Electives in Geography or Geosciences		9
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

German (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in German

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://louisville.edu/modernlanguages>)
Academic Plan Code(s): GERMMINOR

Program Requirements

Code	Title	Hours
GERM 123	Basic German III	4
GERM 201	Intermediate German I	3
GERM 202	Intermediate German II	3
GERM 321	German Conversation and Composition I	3
Select two of the following:		6
GERM 311	Independent Study	
GERM 313	Readings in German Literature: Themes and Great Issues	
GERM 322	German Conversation and Composition II	
GERM 561	Independent Study	
GERM 599	Special Topics	
M L 280	Culture of the German-Speaking World - AH, D2	
Minimum Total Hours		19

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Global Public Health (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Global Public Health

Unit: College of Arts and Sciences (<http://louisville.edu/artsandsciences>); School of Public Health (<http://louisville.edu/sphis>) and Information Sciences (<http://louisville.edu/sphis>)
Department: Liberal Studies (<http://louisville.edu/liberalstudies>)
Academic Plan Code(s): GLPHMINOR

A collaboration between the Department of Anthropology, the School of Public Health and Information Sciences, and the Program in Liberal Studies – the Individualized Majors Program, the minor in Global Public Health is designed to familiarize students with global public health from a liberal arts perspective. The minor includes an introduction to relevant theoretical frameworks from public health, global health, and social medicine. The program is intended to complement study in major fields across the University by students interested in health problems, professions, and policies. Housed administratively within the Program in Liberal Studies, the minor is available to students within any major; students in the Program in Liberal Studies can use the minor to anchor their interdisciplinary program.

Program Requirements

Code	Title	Hours
ANTH 351	Medical Anthropology	3
ANTH 354	Anthropology of Infectious Disease	3
PHPH 301	Global Public Health - D2, SBH	3
PHEP 441	Epidemiological Concepts and Methods for Public Health	3
Health Studies Electives		
Select three of the following (no more than 6 credit hours from a single department):		9
ANTH 305	Genes, Peoples and Evolution	
ANTH 306	Human Biological Variation	
ANTH 309	Sex, Gender and Culture	
ANTH 310	Race, Culture, Identity	
ANTH 315	The Anthropology of Europe - SB	
ANTH 317	Anthropology of China - D2, SB	
ANTH 319	Cultures of the Middle East	
ANTH 323	Cultures of Africa - D2, SB	
ANTH 325	The Anthropology of Latin America - D2, SB	
ANTH 332	Ecology, Politics and Culture	
ANTH 333	Globalizing Inequalities - WR	
ANTH 338	Anthropology of Refugees	
ANTH 340	Human Rights	
ANTH 352	Food and Body Politic	
ANTH 534	Food and Farm Movements in the Americas	
ANTH 535	Nutritional Anthropology	
ANTH 540	Health and Civilization	
BIOL 553	Chronic Disease Biology	

COMM 430	Health Communication - CUE, WR	
GEOG 520	Geography and Nutrition Among African and African-American Populations	
GLPH 401	Cooperative Internship in Global Public Health (Humanities)	
GLPH 402	Cooperative Internship in Global Public Health (Social Sciences)	
GLPH 403	Cooperative Internship in Global Public Health (Natural Sciences)	
GLPH 405	Independent Study in Global Public Health Studies (Humanities)	
GLPH 406	Independent Study in Global Public Health Studies (Social Sciences)	
GLPH 407	Independent Study in Global Public Health Studies (Natural Sciences)	
PAS 366	Inequality and Health: The Black Experience	
PHIL 323	Medical Ethics	
PHIL 581	Current Controversies in Health Care Ethics	
PHIL/WGST 582	Gender, Race, and Culture in Health Care	
PSYC 366	Multicultural Psychology - WR	
PSYC 372	Social Psychology	
PSYC 581	Introduction to Health Psychology	
SOC 305	Urban Sociology	
SOC 306	Demography	
SOC 307	Rural Sociology	
SOC 315	Environmental Sociology	
SOC 323	Diversity and Inequality	
SOC 325	Sociology of Human Sexuality	
SOC 327	Sociology of Gender	
SOC 329	Sociology of Families	
SOC 340	Mental Health and Illness	
SOC 342	Medical Sociology	
SOC 343	Sociology of Women's Health	
WGST 312	Sociology of Women's Health	
WGST 360	Philosophy and Feminism - AH, D1	
WGST 394	Lectures in Women's, Gender and Sexuality Studies	
WGST 458	Women: International Perspective	
WGST 364	Women's Health Issues - D1, SB	
WGST 540	Women's Health in Africa - WR	
Minimum Total Hours		21

Alternative electives may be used if approved in advance by the Director or the Assistant Director of the Global Public Health program. Consult the Department of Anthropology or the School of Public Health and Information Sciences Advising Office for details.

Up to, but no more than, six credit hours from a student's major may count towards the minor.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

History (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in History

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: History (<http://louisville.edu/history>)
Academic Plan Code(s): HISTMINOR

Program Requirements

Code	Title	Hours
HIST 211 & HIST 212	American History I - D1, SBH American History II - D1, SBH	6
	Elective in European area at 300 level or above	3
	Elective in Asian, Africa, and Latin American area (includes courses on the Middle East) at 300 level or above	3
	Electives in History ¹	6
Minimum Total Hours		18

At least three (3) hours of the courses for the minor must be at the 500 level.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ May not include HIST 101/HIST 102.

Humanities (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Humanities

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Comparative Humanities (<http://louisville.edu/humanities>)
Academic Plan Code(s): HUM_MINOR

Program Requirements

Code	Title	Hours
	One 100- or 200-level HUM course	3
	One 300-level HUM course ¹	3
	One 500-level HUM course	3

Three HUM or LING courses (at any level)	9
Minimum Total Hours	18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Includes LING 330.

International Business (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in International Business

Unit: College of Business (BU) (<http://business.louisville.edu>)
Academic Plan Code(s): IBUSMINOR

The Minor in International Business program is open to College of Business students only.

If academically planned, the International Business minor course requirements can be incorporated within the undergraduate degree program requirements.

An international experience is required for the minor. Contact the College of Business advising center for details.

Program Requirements

Code	Title	Hours
	Foreign Language Requirement ¹	12
	Select two International Business Courses: ²	6
ECON 431	International Trade	
ECON 439	Emerging Market Economies	
FIN 370	International Finance	
MKT 311	Supply Chain Management	
MKT 370	Global Marketing	
	Select one Arts & Sciences International Course: ²	3
ANTH 317	Anthropology of China - D2, SB	
ANTH 319	Cultures of the Middle East	
ANTH 323	Cultures of Africa - D2, SB	
ANTH 324	Iberian Anthropology	
ANTH 325	The Anthropology of Latin America - D2, SB	
ANTH 347	Global Capitalisms	
HIST 102	History of Civilizations II - D2, SBH	
HIST 309	Europe from 1800 to the Present	
HIST 332	Latin America, 1820 to Present	
HIST 361	Modern Jewish History: The 20th Century	
HIST 362	The United States and the Middle East	
HIST 364	Russian History II	
HIST 369	History of France, 1799 to the Present	
HIST 394	African History Since 1800 - D2, SBH	
HIST 395	Contemporary Africa	
HIST 396	History of India	
HIST 398	Modern China	
HUM 216	Introduction to World Religions - AH, D2	
HUM 306	Survey of Islamic Thought, Religion and Culture	

HUM 307	East Asian Cultures - AH, D2
HUM 316	Modern Islamic Thought
HUM 317	Modern Jewish Thought
HUM 381	Russian Culture
HUM 384	Cultures of Modern Africa
PAS 394	African History Since 1800 - D2, SBH
PAS 395	Contemporary Africa
POLS 202	Introduction to Comparative Politics - D2, SB
POLS 330	International Relations
POLS 331	International Organization - WR
POLS 332	International Law - WR
POLS 334	The Politics of Global Economic Relations
POLS 336	Politics of European Integration and Foreign Policy
POLS 340	Politics and Government of Western Europe
POLS 345	Russia and Eurasia - WR
POLS 349	Comparative Political Culture - WR
POLS 350	African Government and Politics
POLS 355	Introduction to Middle East Politics
POLS 362	Comparative Political Economy
POLS 365	People's Republic of China - WR
POLS 366	Politics of East Asia
POLS 367	Politics and Government of Southeast Asia
POLS 371	Latin America in the World

Minimum Total Hours 21

2.0 GPA in minor program coursework is required for graduation with the International Business minor.

- ¹ A minimum of 8 hours must be in the same language.
- ² Three (3) hours of Arts & Science International course requirements will be waived if a student participates in a Study Abroad Program with approval by the College of Business. The duration of the program must be a minimum of three months.

Italian (Minor)

Minor in Italian

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Classical and Modern Languages (<https://louisville.edu/modernlanguages>)
 Academic Plan Code(s): ITALMINOR

The Italian minor program is not currently accepting applications for admission.

Program Requirements

Code	Title	Hours
ITAL 123	Basic Italian III	4
ITAL 321	Italian Conversation	3
ITAL 322	Italian Composition	3
Electives in Italian at the 300 level or above		9
Minimum Total Hours		19

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Jewish Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Jewish Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Department: Comparative Humanities (<http://louisville.edu/humanities>)
 Academic Plan Code(s): JS_ _MINOR

The student may choose either the Cultural Studies or the Language and Culture option.

For either options, at least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Program Requirements

Jewish Cultural Studies Option

Code	Title	Hours
HUM 309	Survey of Jewish Thought and Culture	3
Jewish Studies Electives ¹		
Select five of the following:		15
HIST 360	The Origins of Islam	
HIST 361	Modern Jewish History: The 20th Century	
HUM 311	Hebrew Bible/ Old Testament	
HUM 315	Alternative Judaisms - AH, D2	
HUM 317	Modern Jewish Thought	
HUM 361	Selected Topics	
HUM 362	Selected Topics	
HUM 387	The Holocaust, Genocide, and Global Imagination - D2, SBH	
HUM 511	Topics in the Interpretation of Sacred Texts	
HUM 512	Topics in Contemporary Religious Thought	
HUM 513	Topics in Comparative Religions	
HUM 514	Perspectives on Religious Coexistence and Conflict	
HUM 596	Selected Perspectives in Humanities - WR	
Minimum Total Hours		18

Jewish Language and Culture Option

Code	Title	Hours
HEBR 201	Intermediate Hebrew I	6
& HEBR 202	Intermediate Hebrew II ²	
HUM 309	Survey of Jewish Thought and Culture	3
Jewish Studies Electives ³		
Select three of the following:		9
HIST 360	The Origins of Islam	
HIST 361	Modern Jewish History: The 20th Century	
HUM 311	Hebrew Bible/ Old Testament	
HUM 315	Alternative Judaisms - AH, D2	
HUM 317	Modern Jewish Thought	
HUM 361	Selected Topics	
HUM 362	Selected Topics	

HUM 387	The Holocaust, Genocide, and Global Imagination - D2, SBH
HUM 511	Topics in the Interpretation of Sacred Texts
HUM 512	Topics in Contemporary Religious Thought
HUM 513	Topics in Comparative Religions
HUM 514	Perspectives on Religious Coexistence and Conflict
HUM 596	Selected Perspectives in Humanities - WR
<hr/>	
Minimum Total Hours	18

- ¹ Students should take four courses in Ancient/Modern Jewish History and Society (to be designated as such and published by the Jewish Studies program director each semester). Students are strongly encouraged to take at least one course in Ancient Jewish History and Society and at least one course in Modern Jewish History and Society.
- ² The equivalent in Arabic or Yiddish may also be accepted with the permission of the Jewish Studies advisor.
- ³ Students should take four courses in Ancient/Modern Jewish History and Society (to be designated as such and published by the Jewish Studies program director each semester). Students are strongly encouraged to take at least one course in Ancient Jewish History and Society and at least one course in Modern Jewish History and Society.

Latin American and Latino Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Latin American and Latino Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
 Program: Latin American and Latino Studies (<http://louisville.edu/latinamericanstudies>)
 Academic Plan Code(s): LSLAMINOR

Program Requirements

Code	Title	Hours
LALS 310	Introduction to Latin American Studies - D2, SB	3
LALS 311	Introduction to Latino Studies - D1, SB	3
LALS 400	Latin American and Latino Studies Internship - CUE, WR	3
Spanish or Portuguese at the 200 level or above		3
One course in a Humanities area, chosen from the following:		3
ARTH 342	Selected Topics in Art History ¹	
ARTH 365	Mexican Art and Architecture	
ARTH 542	Special Topics ¹	
ARTH 544	Pan-African Art: Form and Content	
ENGL 369	Minority Traditions in American Literature - AH, D1	
ENGL 373	Women and Global Literature - AH, D2	
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE	
ENGL 554	Women's Personal Narratives - CUE	
HON 336	Honors Seminar in Humanities - WR ¹	

HUM 377	African-American Religion - AH, D1
HUM 380	Culture of Iberia-Latin America
HUM 382	Native American Cultures
HUM 562	Selected Topics ¹
LALS 200	Exploring Latin America - AH, D2
LALS 313	Panamanian Culture - D2, SB
M L 260	Introduction to Hispanic Culture - AH, D2
M L 313	Special Topics in Language, Literature, or Culture
M L 356	Latin American Literature
M L 551	Special Topics
SPAN 313	Special Topics in Spanish Literature, Language, and Culture ¹
SPAN 403	Foundations of Latin American Nations and Identities
SPAN 404	Cultural and Literary Perspectives on Modern Latin America
SPAN 499	Special Topics in Spanish Culture, Literature and Linguistics ¹
SPAN 524	Introduction to Hispanic Linguistics
SPAN 527	Latin American Literature: Colonial Period through 19th Century
SPAN 528	Contemporary Spanish-American Theatre
SPAN 529	Spanish-American Poetry
SPAN 530	Spanish-American Narrative
SPAN 554	Hispanic Culture through Film and Media
SPAN 599	Special Topics ¹
TA 326	Cultural Diversity in Performance - AH, D1
TA 365	Theatre of the African World - AH, D2
TA 555	Special Topics in Theatre

One course in Social Sciences, chosen from the following: 3

ANTH 316	Ancient Civilizations of Mesoamerica
ANTH 325	The Anthropology of Latin America - D2, SB
ANTH 333	Globalizing Inequalities - WR
ANTH 338	Anthropology of Refugees
ANTH 562	Special Topics in Cultural Anthropology
COMM 450	Advanced Intercultural Communication - CUE, WR
COMM 510	Special Topics in Communication Studies ¹
GEOG/LALS 510	Urbanism in the Global South: Cities and Space
HIST 310	Studies in History
HIST 331	Colonial Latin America
HIST 332	Latin America, 1820 to Present
HIST 333	Women in Latin American History
HIST 503	Advanced Studies in History
HIST 533	Twentieth-Century Latin America - CUE, WR
HIST 534	The U.S. and Latin America - CUE, WR
HIST 535	The History of Mexico: Pre-Columbian to the Present - CUE, WR
HON 436	Honors Seminar in Humanities (WR) - WR ¹
HON 446	Honors Seminar in Social Sciences (WR) - WR ¹
LALS 317	Social Sciences Special Topics in Latino Studies
LALS 321	Social Science Special Topics in Latin American Studies

MKT 370	Global Marketing	
PAS 206	Introduction to Caribbean Studies - D2, SB	
PAS 219	Survey of Brazilian Music	
PAS 227	Survey of American Diversity - D1, SB	
PAS 247	Language, Protest and Identity - D1, SB	
PAS 329	Slave Trade and Slavery	
PAS 346	African Languages in the Diaspora - D1, SB	
PAS 360	African Diaspora in the Caribbean and Latin America	
PAS 392	Faces of Global Poverty - WR	
PAS 396	History of the Caribbean	
PAS 505	The Black Atlantic	
PAS 510	Advanced Topics in Afro-American and African Studies	
PAS 532	Slave Trade and Slavery in the African World	
PAS 533	The History and Popular Culture of the African Diaspora	
PAS 542	Black Women's Voices - WR	
PAS 547	Language, Race, Class and Gender	
PAS 581	Pan-African Art: Form and Content	
POLS 315	Race, Law and Politics - D1, SB	
POLS 330	International Relations	
POLS 331	International Organization - WR	
POLS 332	International Law - WR	
POLS 336	Politics of European Integration and Foreign Policy	
POLS 337	Law, Diplomacy and Power	
POLS 370	Comparative Political Development in Latin America	
POLS 371	Latin America in the World	
POLS 506	Topics in International Relations	
POLS 530	International Negotiation	
POLS 563	Women in Developing Countries - WR	
SOC 210	Race in the United States - D1, SB	
SOC 323	Diversity and Inequality	
SOC 392	Faces of Global Poverty - WR	
SOC 454	Social Stratification - CUE, WR	
SOC 464	Race and Ethnicity - CUE, WR	
WGST 333	Women in Latin American History	
WGST 343	Faces of Global Poverty - WR	
WGST 401	Community Internship	
WGST 520	Women's Personal Narratives	
WGST 558	Women in Developing Countries - WR	
WGST 593	Topics in Women's, Gender and Sexuality Studies: Humanities	
Elective with a substantial Latin American content. ²		3
Minimum Total Hours		21

Course substitutions must be approved by the Director of Latin American and Latino Studies program.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Special Topics Courses – content varies by semester. Subject to advisor approval.

² The electives may be fulfilled by taking additional courses one of the courses listed above.

Leadership (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Leadership

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Military Science (<http://louisville.edu/armyrotc>)
Academic Plan Code(s): MILSMINOR, MIL2MINOR

Program Requirements

The Leadership minor is offered with two different tracks—for students with or without prior military service.

For either track, at least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Track I (MILSMINOR)

For students with no prior military service

Code	Title	Hours
MILS 101	Leadership and Adventure I	1
MILS 102	Leadership and Adventure II	1
MILS 201	Intermediate Leadership Skill Development I	2
MILS 202	Intermediate Leadership Skill Development II	2
MILS 301	Leadership and Management	3
MILS 302	Theory and Dynamics of the Military Team	3
MILS 401	Mission Command and the Army Profession	3
MILS 402	Mission Command and the Company Grade Officer	3
HIST 418	United States Military History	3
or HIST 419	Western Military History - WR	
Physical Training		
Select two of the following:		2
MILS 311	Army Physical Fitness I	
MILS 312	Army Physical Fitness II	
MILS 411	Army Physical Fitness III	
MILS 412	Army Physical Fitness IV	
Minimum Total Hours		23

Track II (MIL2MINOR)

For students with two or more years prior military service or completion of basic training.

Students in this track are exempt from MILS 101, MILS 102, MILS 201, and MILS 202.

Code	Title	Hours
MILS 301	Leadership and Management	3
MILS 302	Theory and Dynamics of the Military Team	3
MILS 401	Mission Command and the Army Profession	3
MILS 402	Mission Command and the Company Grade Officer	3
HIST 418	United States Military History	3

or HIST 419 Western Military History - WR

Physical Training

Select two of the following: 2

MILS 311	Army Physical Fitness I
MILS 312	Army Physical Fitness II
MILS 411	Army Physical Fitness III
MILS 412	Army Physical Fitness IV

Select three hours from the following: 3

HIST 314	History of US Foreign Relations II
HIST 362	The United States and the Middle East
HIST 376	War in the Modern Middle East - WR
HIST 386	Modern Germany, 1848-1945: The Struggle for Unity
HIST 522	The American Revolution and the Confederation - CUE, WR
HIST 524	United States Civil War and Reconstruction - CUE, WR
HIST 559	U.S. and the Cold War Policy - CUE, WR
HIST 563	The Middle Eastern Wars - CUE, WR
POLS 330	International Relations
POLS 333	American Foreign Policy
POLS 338	National and International Security: Issues and Policies

Minimum Total Hours 20

LGBTQ Studies (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in LGBTQ Studies

Unit: Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Women's, Gender and Sexuality Studies (<http://louisville.edu/wgs>)

Program Requirements

Code	Title	Hours
WGST 301	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	3
Select four courses from the following: ¹		12
WGST 323	Queer Politics	
WGST 344	Black Lesbian Lives	

WGST 313/ SOC 327	Sociology of Gender	
WGST 316	Gender, Sexuality & Law	
WGST/ENGL 375	LGBTQ Literature in the United States - AH, D1	
WGST 508	Queer Performance	
WGST/HIST/ PAS/SCHG 513	U.S. Social Justice Movements	
WGST 532	History of American Sexualities - WR	
Select one of the following:		3
WGST 401	Community Internship	
WGST 589	Independent Study: Women's, Gender and Sexuality Studies-Humanities	
WGST 590	Independent Study: Women's, Gender and Sexuality Studies-Social Sciences	
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Topics courses in Women's, Gender and Sexuality Studies may be substituted for one or more of these courses, with approval of the department chair

Linguistics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Linguistics

Unit: College of Arts and Sciences (AS) (<https://www.louisville.edu/artsandsciences>)
Department: Comparative Humanities
Academic Plan Code(s): LINGMINOR

Program Requirements

Code	Title	Hours
Core Courses		
LING/ENGL 325	Introduction to Linguistics	3
Select two courses from the following:		6
LING 327	Languages of the World	
LING 328	Language Acquisition	
LING/ENGL 330	Language and Culture - AH, D1	
LING/PHIL 341	Philosophy of Language - WR	
LING 390	Special Topics in Language ¹	
Approved LING elective ²		3
Upper-Level Focus		6
Select two courses from the following:		
LING 503	Syntax	
LING 506	History and Comparative Linguistics	
LING 510	Phonetics and Phonology	
LING/ENGL 520	World Englishes	

LING/ENGL 522	Structure of Modern English
LING/ENGL 523	History of the English Language
LING/PSYC 524	Psycholinguistics
LING/ENGL 535	Topics in Applied Linguistics
LING/ENGL 570	Language and Social Identity
LING 590	Special Topics in Linguistics ³
Minimum Total Hours 18	

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

- ¹ As approved by Linguistics Advisor
- ² Electives may include 1) another course from the Upper-Level Focus list (see above), 2) FREN 522 or SPAN 524, or 4) another LING course approved by Linguistics Advisor.
- ³ Only one course in LING 590 (Applied Topics) may be used

Management (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Management

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Department: Management (<http://business.louisville.edu/management>)
Academic Plan Code(s): MGMTMINOR

The College of Business offers a minor in management available to all UofL students. For non-business majors, a 2.8 cumulative GPA and a grade of B or better is required in ECON 201 for admission to minor.

For graduation, in addition to all other degree requirements, a 2.0 GPA in Management minor program core coursework and a 2.0 cumulative UofL GPA are required for graduation.

Program Requirements

Code	Title	Hours
Program Prerequisites		
ECON 201	Principles of Microeconomics - SB ¹	3
Management Core		
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
MGMT 301	Management and Organizational Behavior	3
MGMT 404	Project Management ^{2,3}	3
Management Electives, selected from the following:		9
MGMT 305	Human Resource Management	
MGMT 306	Human Resource Management Applications	
MGMT 315	Collaboration: Theory and Skills	
MGMT 459	Managerial Analytics (course pending)	
MGMT 460	Images of Leadership	

MGMT 397	Co-op in Management (up to 3 hours, with approval)	
Minimum Total Hours		24

- ¹ Course must be passed with a grade of B or higher.
- ² BSTA 301 or other statistics course is required **before** enrollment in MGMT 404.
- ³ MGMT 404 must be taken prior to the other Management electives.

Marketing (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Marketing

Unit: College of Business (BU) (<http://business.louisville.edu>)
Department: Marketing (<http://business.louisville.edu/marketing>)
Academic Plan Code(s): MKT_MINOR

The College of Business offers a minor in Marketing available to all University of Louisville students.

To pursue a minor in marketing the student must have completed 51 or more semester hours, with a cumulative grade point average of 2.8 or higher. Students interested in pursuing a minor in Marketing must complete the business program prerequisites. Students must have a grade point average of 2.8 or higher in the business program prerequisites to be permitted to pursue the Marketing program core.

Upon completion of the admission requirements and formal application, the student is admitted into the Minor in Marketing program based on the student's academic performance.

Program Requirements

Code	Title	Hours
Program Prerequisites		
<i>Non-Business students must have a 2.8 GPA in Program Prerequisites before applying for the minor.</i>		
BSTA 301	Business Statistics (previously BSTA 201) ¹	3
ECON 201	Principles of Microeconomics - SB	3
ECON 202	Principles of Macroeconomics - SB	3
Marketing Core		
CIS 205	Information Systems in Organizations	3
CIS 305	Data Analysis for Decision-Making	3
MKT 301	Principles of Marketing ²	3
Marketing Electives (300-level or higher) ^{2,3,4}		9
Minimum Total Hours		27

2.0 GPA in Marketing minor program core coursework and a 2.0 cumulative UofL GPA are required for graduation.

- ¹ The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326
- ² SPAD 383 cannot substitute for MKT 301 or be counted as a marketing elective.
- ³ Marketing minors are not permitted to take College of Business Co-ops.

⁴ At least 6 hours of MKT electives must be taken at the University of Louisville.

Mathematics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Mathematics

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Mathematics (<http://www.math.louisville.edu>)
Academic Plan Code(s): MATHMINOR

Program Requirements

Code	Title	Hours
MATH 205	Calculus I - QR	4
MATH 206	Calculus II	4
MATH 311	Introduction to Higher Math	3
Mathematics electives in courses numbered 190 or above ¹		10
Minimum Total Hours		21

For a minor in Mathematics, 6 hours in courses numbered 311 or higher must be successfully completed in the Department of Mathematics at the University of Louisville.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ MATH 111 and MATH 112 may be substituted for MATH 190, but only 4 hours credit will be applied toward the electives in the minor.

Middle East and Islamic Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Middle East and Islamic Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Academic Plan Code(s): MEISMINOR

Program Requirements

Code	Title	Hours
Humanities		
Once course in Arabic at the 200 level or above		3
One additional Humanities course, selected from the following:		3
Additional coursework in Arabic (200 level or above)		
HUM 306	Survey of Islamic Thought, Religion and Culture	
HUM 313	Introduction to the Qur'an	
HUM 316	Modern Islamic Thought	
HUM/PAS 349	African Americans & Islam	
Social Sciences		
Two Social Sciences courses, selected from the following list:		6
ANTH 319	Cultures of the Middle East	
ANTH 338	Anthropology of Refugees	

HIST 341	The Ancient Near East	
HIST 356	Islamic Middle East	
HIST 360	The Origins of Islam	
HIST 362	The United States and the Middle East	
HIST 376	War in the Modern Middle East - WR	
HIST 377	The Ottoman Empire to 1800	
HIST 378	The Ottoman Empire and Modern Turkey from 1800 - WR	
HIST 503	Advanced Studies in History	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 564	Byzantium and Islam	
HIST 593	American Image of the Middle East - CUE	
HIST 594	Studies in Middle Eastern History - WR	
POLS 355	Introduction to Middle East Politics	
POLS 356	Political Islam	
POLS 363	Politics of Oil	
PAS/HUM 349	African Americans and Islam	
SOC 460	Gender in the Middle East	
MEIS Electives		
Two additional courses, selected from the following list:		6
ANTH 319	Cultures of the Middle East	
ANTH 338	Anthropology of Refugees	
HIST 341	The Ancient Near East	
HIST 345	Culture of the Ancient Near East	
HIST 356	Islamic Middle East	
HIST 357	Middle Eastern History, 1453 to the Present - WR	
HIST 360	The Origins of Islam	
HIST 362	The United States and the Middle East	
HIST 376	War in the Modern Middle East - WR	
HIST 377	The Ottoman Empire to 1800	
HIST 378	The Ottoman Empire and Modern Turkey from 1800 - WR	
HIST 503	Advanced Studies in History	
HIST 563	The Middle Eastern Wars - CUE, WR	
HIST 564	Byzantium and Islam	
HIST 593	American Image of the Middle East - CUE	
HIST 594	Studies in Middle Eastern History - WR	
HUM 306	Survey of Islamic Thought, Religion and Culture	
HUM 313	Introduction to the Qur'an	
HUM 316	Modern Islamic Thought	
HUM/PAS 349	African Americans & Islam	
POLS 355	Introduction to Middle East Politics	
POLS 356	Political Islam	
POLS 363	Politics of Oil	
SOC 460	Gender in the Middle East	
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

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Music (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Music

Unit: Music (<http://louisville.edu/music>)
Academic Plan Code(s): MUSIMINOR

Students wishing to minor in music must meet the minimum admission requirements of the School of Music with a 2.75 GPA and 21 ACT and must obtain approval from the School of Music.

Program Requirements

Code	Title	Hours
MUH 204	Music in Western Civilization - AH	3
One music theory course as determined by placement exam ¹		4
One semester of Piano Class ²		1
MUS 97	Recital Attendance (two (2) semesters required, see note) ³	0
Applied Study		4
Additional Hours of study selected from MUS, MUH, and/or MUTH courses ^{4,5}		9
Minimum Total Hours		21

Students enrolled in the Minor in Music are strongly encouraged to enroll in a cross-listed course, MUH 205, MUH 214, or MUH 218, for their General Education: Cardinal Core credits in Arts and Humanities (AH) and/or U.S. or Global Diversity (D1/D2).

¹ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.

² Normally MUS 131.

³ Two semesters of Recital Attendance.

⁴ Students may count up to 4 hours of Major Ensemble - MUS 109 and 2 hours of Minor Ensemble - MUS 119 toward the Music Minor.

⁵ Students may count a maximum of 4 additional semesters of Applied Study toward the Music Minor.

Music and New Media (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Music & New Media

Unit: Music (<http://louisville.edu/music>)
Academic Plan Code(s): MUSIMINNM

Program Information

Students wishing to minor in Music & New Media must meet the minimum admission requirement of the School of Music with a 2.75 GPA and a 21 ACT and must obtain approval from the School of Music.

Students enrolled in the Music & New Media minor are strongly encouraged to enroll in a cross-listed course—MUH 205, MUH 214, or MUH 218—for their General Education credits in Arts and Humanities and/or U.S. or Global Diversity.

Program Requirements

Code	Title	Hours
Choose one music theory course as determined by placement exam ¹ OR MUH 315 Music & Sound in Film ¹		3-4
Instrument or Voice Classes: ²		2
MUS 127	Class Piano-Beginners I	
MUS 128	Class Piano-Beginners II	
MUS 130	Jazz Piano Class	
MUS 131	Piano Class	
MUS 132	Piano Class	
MUS 147	Class Guitar I	
MUS 148	Class Guitar II	
MUS 152	Beginning Class Guitar - AH, D2	
MUS 227	Voice Class	
MUS 170	Introduction to Musical Acoustics	2
MUS 171	Audio Engineering	2
MUS 270	Creative Audio Recording and Production Techniques	2
MUS 271	Sound Design	2
MUS 350	Analysis of Electronic Media	2
MUS 376	Sound Art	2
Additional hours of study selected from MUS, MUH, and/or MUTH courses ^{3,4}		0-1
Minimum Total Hours		18

¹ Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credit concurrently with MUS 141. Students who do not pass MUS 141, and students who enter the School of Music in January and do not place into MUS 142, must enroll in MUS 92 for the spring semester. Credits for MUS 92 do not count toward the degree.

² OR Applied Study (dependent on ability and audition, or faculty placement).

³ Students may count up to 1 hour of Major Ensemble - MUS 109 and 1 hour of Minor Ensemble - MUS 119 toward the Music & New Media Minor. Students may also count a maximum of 1 additional hour of Applied Study toward the Music & New Media Minor.

⁴ 0 hours of additional study if a theory is chosen to meet program requirement; 1 hour of additional study if MUH 315 is chosen.

Pan-African Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Pan-African Studies

Unit: Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Pan-African Studies (<http://louisville.edu/panafricanstudies>)
Academic Plan Code(s): PAS_MINOR

Program Requirements

Code	Title	Hours
PAS 200	Introduction to Pan-African Studies - D1, SB	3
PAS 204	Introduction to African Studies	3
PAS 206	Introduction to Caribbean Studies - D2, SB	3
PAS electives at the 300 level or above		6
PAS electives at any level		6
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Philosophy (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Philosophy

Unit: College of Arts and Sciences (<http://www.louisville.edu/a-s>)
Department: Philosophy (<http://louisville.edu/philosophy>)
Academic Plan Code(s): PHILMINOR

Program Requirements

Code	Title	Hours
Select one of the following:		3
PHIL 301	Ancient Philosophy	
PHIL 302	Medieval Philosophy	
PHIL 303	Modern Philosophy	
PHIL 306	Nineteenth-Century Philosophy	
PHIL 307	Twentieth-Century Philosophy	
Select one of the following:		3
PHIL 211	Critical Thinking - AH	
PHIL 311	Introduction to Logic	
PHIL 412	Symbolic Logic	
PHIL 512	Advanced Symbolic Logic	
Select one of the following:		3
PHIL 222	Contemporary Moral Problems - AH	
PHIL 225	Business Ethics	
PHIL 321	Ethics	
PHIL 323	Medical Ethics	
PHIL 325	Feminist Medical Ethics	
PHIL 331	Philosophy of the Arts	
PHIL electives at 300 level or above		6
PHIL elective at 500 level		3
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Philosophy, Politics, and Economics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Philosophy, Politics, and Economics

Unit: College of Arts and Sciences (p. 86); College of Business (p. 91)
Departments: Philosophy (<http://louisville.edu/philosophy>); Political Science (<http://louisville.edu/politicalscience>); Economics (<http://business.louisville.edu/economics>)
Academic Plan Code(s): PPE_MINOR

Philosophy, Politics, and Economics (PPE) is a rigorous applied course of study particularly well-suited to students going into government, civil service, and/or professional schools (e.g., Law or Medicine).

Students majoring in Philosophy, Political Science, or Economics often can complete the PPE minor in only 18 additional hours, applying 6 hours in-common between the minor and the major.

Program Requirements

Code	Title	Hours
Required Courses		6
PPE 300	Introduction to Philosophy, Politics, and Economics - SB	
PPE 499	Selected Readings in Philosophy, Politics, and Economics	
Electives		
<i>Select two Philosophy courses from the following:</i>		6
PHIL 308	Social and Political Philosophy	
PHIL 318	Philosophy and Feminism - AH, D1	
PHIL 319	Philosophy of Race and Racism - AH, D1	
PHIL 321	Ethics	
PHIL 328	Environmental Ethics	
PHIL 350	Philosophy of Law	
PHIL 516	African-American Philosophy	
PHIL 535	Political Philosophy	
PHIL 538	Critical Social Theory	
PHIL 583	Health Care, Justice & Community	
PHIL 590	Fundamentals of Diversity	
<i>Select two Political Science courses from the following:</i>		6
POLS 302	Urban Political Economy	
POLS 326	Public Policy	
POLS 334	The Politics of Global Economic Relations	
POLS 335	Global Environmental Politics	
POLS 347	Democratization	
POLS 362	Comparative Political Economy	
POLS 382	Modern Political Thought	
POLS 384	Democracy and Its Critics - WR	
POLS 388	Contemporary Political Theory	
POLS 426	Environmental Policy	
<i>Select two Economics courses from the following:</i>		6
ECON 301	Intermediate Microeconomics	

ECON 312	Urban Economics
ECON 331	Labor Economics
ECON 360	Environmental Economics
ECON 365	Law and Economics
ECON 375	Capitalism and Economic Freedom
ECON 341	Public Finance
ECON 342	State and Local Government Finance
ECON 350	The Economics of Entrepreneurship
ECON 421	History of Economic Thought
Minimum Total Hours	
24	

The student must maintain a 2.00 average in the minor program for its successful completion.

Physics (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Physics

Unit: College of Arts and Sciences (AS) (<https://www.louisville.edu/artsandsciences>)

Department: Physics and Astronomy (<http://www.physics.louisville.edu>)

Academic Plan Code(s): PHYSMINOR

Program Requirements

Code	Title	Hours
Complete one of the following sequences:		
Sequence 1:		
PHYS 221 & PHYS 223	Fundamentals of Physics I - S & Fundamentals of Physics Lab I - SL	8-10
PHYS 222 & PHYS 224	Fundamentals of Physics II - S & Fundamentals of Physics Laboratory II - SL	
Sequence 2:		
PHYS 298 & PHYS 295	Introductory Mechanics, Heat and Sound - S & Introductory Laboratories I - SL	4
PHYS 299 & PHYS 296	Introductory Electricity, Magnetism and Light & Introductory Laboratories II - SL	
PHYS 300 & PHYS 301	Introductory Modern Physics & Introductory Modern Physics Laboratory	4
Physics electives numbered 302 through 599 ¹		4-6
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ No more than 3 hours may be taken in Independent Study

Political Science (Minor)



This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Political Science

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Political Science (<http://louisville.edu/politicalscience>)

Program Requirements

Code	Title	Hours
POLS 201	Introduction to American Government and Politics - SB	3
or POLS 202 Introduction to Comparative Politics - D2, SB		
POLS Electives ^{1, 2}		18
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ 15 hours must be at the 300-level or above.

² No more than 3 hours of POLS 430, POLS 510, POLS 511 and/or POLS 512 may count toward the minor.

Psychology (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Psychology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Psychological and Brain Sciences (<http://louisville.edu/psychology>)

Admission to the minor in Psychology requires:

- Completion of PSYC 201 with a minimum grade of C;
- Completion of MATH 111 or higher level Math course;
- Completion of PSYC 301 (or department-approved substitute) with a minimum grade of C;
- Completion of 30 hours of degree-applicable credit with a minimum grade point average of 2.0; and
- A minimum grade point average of 2.0 in Psychology.

Program Requirements

Code	Title	Hours
PSYC 201	Introduction to Psychology - SB ¹	3
PSYC 301	Statistics for Psychology (or approved substitute) ^{1,2}	3
PSYC 302	Research Methods for Psychology ¹	3
Select three of the following:		9
PSYC 305	Brain and Behavior	
PSYC 306	Life Span Developmental Psychology	
PSYC 307	Cognitive Processes	
PSYC 308	Abnormal Psychology	
PSYC Electives		3
Minimum Total Hours		21

Completion of the minor requires:

- Completion of PSYC 302 with a minimum grade of C;
- A minimum grade of C-minus in all courses used to meet the requirements in the Psychology minor; and
- A minimum grade point average of 2.0.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Must be completed with a grade of C or better

² Students must confirm substitutions for PSYC 301 with the department prior to enrollment. Students who substitute a statistics course from another department will need to take an additional Psychology elective to complete the required number of Psychology hours for the program.

Public Health (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Public Health

Unit: School of Public Health (<http://louisville.edu/sphis>) & Information Sciences (<http://louisville.edu/sphis>)
Academic Plan Code(s): PH_ _MINOR

The Public Health minor has been designed for all students who are interested in gaining a broader understanding about the field of Public Health. The coursework for the minor offers exposure to the concepts and applications of public health in a variety of disciplines.

Students from a wide variety of majors will find a Public Health minor attractive as it assists them in broadening their understanding of patterns of Public Health and its role in our society. Any major will gain an appreciation for the applications of Public Health. The minor can be an asset to students in determining their interest in graduate studies as well as long term career goals.

The minor in Public Health requires the completion of a minimum of 15 credit hours.

Program Requirements

Code	Title	Hours
PHUN 101	Introduction to Public Health - SB	3
PHPB 300	Social and Behavioral Foundations of Public Health	3
PHPB 301	Health Equity - D1, SB	3
PHPH 431	Contemporary Issues in Public Health I	3
PHEH 301	Public Health and Our Environment	3
Minimum Total Hours		15

Students will be required to apply to the minor and maintain a minimum of a 2.0 GPA.

Public Health Nutrition (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Public Health Nutrition

Unit: School of Public Health and Information Sciences (<https://louisville.edu/sphis>)

Academic Plan Code(s): PHNUMINOR

The Public Health Nutrition minor will expose students to the basic principles of nutrition within the context of public health, with an emphasis on:

1. Nutrition support systems targeted at the general population as well as women and children;
2. Assessment tools used to estimate population nutritional status; and
3. Food composition, labeling, and advertising.

Students will develop critical thinking skills necessary to evaluate nutrition education programs and example dietary patterns, assess advertising claims, and formulate rational policy decisions based on the U.S. Dietary Recommendations.

The Public Health Nutrition minor can be pursued as a type of specialization within the field of public health—e.g., by Public Health majors, as adjunct preparation for other health fields, such as medicine or nursing—or as an applied field of basic science, such as biology or chemistry. The goal of the program will be to provide students with a solid foundation for further education or careers related to nutrition.

Admission

Current UofL students will be required to apply to the minor and maintain a minimum of a 2.0 GPA.

Program Requirements

Code	Title	Hours
Core Courses		
PHEH 325	Public Health Nutrition	3
PHEH 331	Food Composition and Public Health - S	3
	or HSS 303 Human Nutrition	
PHEH 332	Nurtition Assessment Tools	3
PHEH 330	Childhood Nutrition from a Public Health Perspective	3
Guided Electives		6

ANTH 352	Food and Body Politic
ANTH 534	Food and Farm Movements in the Americas
ANTH 535	Nutritional Anthropology
ANTH 562	Special Topics in Cultural Anthropology
BIOL 350	Biostatistics ¹
	or PHST 301 Quantitative Methods in Public Health
BIOL 540	Intermediary Metabolism ²
	or CHEM 445 Survey of Biochemistry
COMM 430	Health Communication - CUE, WR
HSS 302	Nutrition in Healthy Living
PHEP 441	Epidemiological Concepts and Methods for Public Health

Minimum Total Hours 18

¹ Students may count only one of either BIOL 350 or PHST 301 towards the required total of 6 credits in electives.

² Students may count only one of either BIOL 540 or CHEM 445 towards the required total of 6 credits in electives.

Race/Gender Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Race/Gender Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Departments: Women's, Gender and Sexuality Studies (<http://www.louisville.edu/a-s/ws>) and Pan-African Studies (<http://www.louisville.edu/a-s/pas>)
Academic Plan Code(s): RGS_MINOR

Program Requirements

Code	Title	Hours
WGST 201	Women In American Culture - D1, SB	3
PAS 200	Introduction to Pan-African Studies - D1, SB	3
WGST 347/ PAS 364	Racism and Sexism - D1, SB	3
Select two of the following: ¹		6
WGST/PAS/ PHIL 207	Introduction to Philosophy through Cultural Diversity - AH, D2	
WGST/PAS 342	Black Women Novelists - AH, D2, WR	
WGST 343/ PAS 392/SOC 392	Faces of Global Poverty - WR	
WGST/PAS 344	Black Lesbian Lives	
WGST 346/ PAS 385	Women in Africa: Historical and Literary Perspectives	
WGST 348/ PAS 332	African-American Women - WR	
WGST 380/ PAS 350/ TA 363	African-American Women in Theatre - AH, D1, WR	

WGST/PAS 410	Black Feminism in Action	
WGST/PAS/ HIST/SCHG 513	U.S. Social Justice Movements	
WGST 543/ PAS 542	Black Women's Voices - WR	
WGST/PAS 547	Language, Race, Class, and Gender	
Elective in Pan-African Studies at 300-level or above ²		3
Elective in Women's, Gender and Sexuality Studies at 300-level or above ³		3
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

¹ Other courses may be substituted with advisor approval

² May not be cross-listed with Women's, Gender and Sexuality Studies

³ May not be cross-listed with Pan-African Studies

Religious Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Religious Studies

Unit: Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Comparative Humanities (<http://louisville.edu/humanities>)
Academic Plan Code(s): RS_MINOR

Program Requirements

Code	Title	Hours
HUM 308	Studies of Religion - AH	3
HUM 510	Methods and Theories in the Study of Religion - CUE, WR	3
One course from Area A		3
Three courses from Area B		9
One course from Area C		3
Minimum Total Hours		21

Area A: Introductory Comparative Courses on Religion

Code	Title	Hours
HUM 218	Introduction to Eastern Religious Traditions - AH, D2	3
HUM 219	Introduction to Western World Religions - AH, D2	3
HUM 336	Indigenous Religions of the Americas	3
PAS 351	Survey of African Religion and Culture	3

Area B: Advanced Courses on Religion Traditions

Code	Title	Hours
Christianity		
HUM 312	New Testament	3
HUM 319	Survey of Christian Thought, Religion and Culture	3
HUM 335	Modern Christian Thought	3

Asian Religions

HUM 341/ AST 340	South Asian Religious Thought and Culture - AH, D2	3
HUM 343	East Asian Religious Thought and Culture - AH, D2	3
HUM 314	Buddhist Scriptures	3
HUM 342	Eastern Mysticism	3
Islam		
HUM 306	Survey of Islamic Thought, Religion and Culture	3
HUM 313	Introduction to the Qur'an	3
HUM 316	Modern Islamic Thought	3
Judaism		
HUM 309	Survey of Jewish Thought and Culture	3
HUM 311	Hebrew Bible/ Old Testament	3
HUM 315	Alternative Judaisms - AH, D2	3
HUM 317	Modern Jewish Thought	3

Area C: Topics

Code	Title	Hours
HUM 336	Indigenous Religions of the Americas	3
HUM 338	Greek Mythology	3
HUM 339	Studies in World Mythology - AH, D2	3
HUM/WGST 340	Women and Religion - AH, D2	3
HUM 344	Religion in the United States	3
HUM/PAS 349	African Americans & Islam	3
PAS 351	Survey of African Religion and Culture	3
HUM 377/ PAS 317	African-American Religion - AH, D1	3
HUM/HIST 387	The Holocaust, Genocide, and Global Imagination - D2, SBH	3
HUM 511	Topics in the Interpretation of Sacred Texts	3
HUM 512	Topics in Contemporary Religious Thought	3
HUM 513	Topics in Comparative Religions	3
HUM 514	Perspectives on Religious Coexistence and Conflict	3
HUM 516	Topics in the Histories of Religion	3
PAS 351	Survey of African Religion and Culture	3
PAS 521	Religions of the African Diaspora	3

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Russian Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Russian Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://louisville.edu/modernlanguages>)
Academic Plan Code(s): RUSTMINOR

Program Requirements

Code	Title	Hours
RUSS 123	Intermediate Russian	4
RUSS 321	Russian Reading, Conversation, and Composition I	3

RUSS 322	Russian Reading, Conversation, and Composition II	3
Select three of the following:		9
Russian (RUSS) courses at the 300-400 level		
M L 313	Special Topics in Language, Literature, or Culture	
M L 353	Russian Literature of the Nineteenth Century - WR	
M L 354	Russian Literature of the Twentieth Century - WR	
M L 561	Masterpieces of Russian Literature	
HIST 363	Russian History I	
HIST 364	Russian History II	
HIST 385	Russian Cultural History - WR	
HIST 547	Studies in Russian History - CUE, WR	
HIST 587	The Russian Revolutions - WR	
HUM 381	Russian Culture	
POLS 345	Russia and Eurasia - WR	

Minimum Total Hours 19

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Social Change (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Social Change

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Academic Plan Code(s): SCHGMINOR

Program Requirements

Code	Title	Hours
SCHG 399	Lectures in Social Change	1
SCHG 401	Social Change Community Internship	3
or PEAC 550	Service Learning in Peacebuilding	

Select one of the following: 3

ANTH/SCHG 333	Globalizing Inequalities - WR	
HIST 323	Modern American Social Movements	
SOC 453	Social Change	
WGST 513	U.S. Social Justice Movements	

Select four courses, with no more than 9 hours in any one department, from the following: 12

ANTH 337	Nationalism, Violence, and the State	
ANTH 340	Human Rights	
ANTH 352	Food and Body Politic	
BIOL 440	Global Change Ecology - CUE	
HIST 313	Comparative Environmental History	
HIST 318	U.S. in the Sixties	
HIST 322	The History of the Civil Rights Movement, 1900 to Present	
HIST 514	United States Peace Movement	
HIST 533	Twentieth-Century Latin America - CUE, WR	
HIST 588	Feminism in Western Civilization, 1790-1920 - WR	
M L 260	Introduction to Hispanic Culture - AH, D2	
PAS 324	Politics, Political Violence and Black Resistance	

PAS 364	Racism and Sexism - D1, SB
PEAC 325	Peace, Justice & Conflict Transformation
PEAC 350	Mediation & Conflict Transformation
PHIL 328	Environmental Ethics
POLS 111	Political Discourse - OC
POLS 302	Urban Political Economy
POLS 315	Race, Law and Politics - D1, SB
POLS 324	Women in American Politics
POLS 335	Global Environmental Politics
POLS 395	Political Leadership - WR
SCHG 300	Topics in Social Change: Humanities
SCHG 301	Topics in Social Change: Humanities - WR
SCHG 302	Topics in Social Change: Social Sciences
SCHG 303	Topics in Social Change: Social Sciences - WR
SCHG 500	Advanced Topics in Social Change: Humanities
SCHG 501	Advanced Topics in Social Change: Humanities - WR
SCHG 502	Advanced Topics in Social Change: Social Sciences
SCHG 503	Advanced Topics in Social Change: Social Sciences - WR
SOC 323	Diversity and Inequality
TA 367	Black Dramatic Literature - AH, D1
Minimum Total Hours	19

No more than 6 credit hours may count toward both the Social Change Minor and the Certificate in Peace, Justice, and Conflict Transformation (PEAC).

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled at the University of Louisville.

Socio-Cultural Anthropology (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Anthropology/Socio-Cultural

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Anthropology (<http://www.louisville.edu/a-s/anthro>)
Academic Plan Code(s): ANTHMINSOC

Program Requirements

Code	Title	Hours
ANTH 201	Introduction to Cultural Anthropology - D2, SB	3
ANTH 202	Biological Anthropology - S	3-4
or ANTH 207	Principles of Biological Anthropology - B	
ANTH 204	Archaeology - D2, SB	3-4
or ANTH 206	Principles of Archaeology - B	
Select one of the following:		3
ANTH 315	The Anthropology of Europe - SB	
ANTH 317	Anthropology of China - D2, SB	
ANTH 318	African-American Cultural Traditions	
ANTH 319	Cultures of the Middle East	
ANTH 320	Indians of North America - D1, SBH	

ANTH 321	American Indian Women
ANTH 323	Cultures of Africa - D2, SB
ANTH 324	Iberian Anthropology
ANTH 325	The Anthropology of Latin America - D2, SB
Select three of the following Anthropology Electives:	9
ANTH 309	Sex, Gender and Culture
ANTH 310	Race, Culture, Identity
ANTH 331	Anthropology of Religion
ANTH 333	Globalizing Inequalities - WR
ANTH 334	Conflict, Law, and Culture
ANTH 336	War and Society - WR
ANTH 337	Nationalism, Violence, and the State
ANTH 338	Anthropology of Refugees
ANTH 339	The Anthropology of Space and Place
ANTH 340	Human Rights
ANTH 342	Museums, Culture and Nationhood
ANTH 343	Language and Culture - AH, D1
ANTH 344	Anthropology of Clothing
ANTH 346	Sustainability: Anthropological Perspectives
ANTH 347	Global Capitalisms
ANTH 348	State & Empire
ANTH 349	Modes of Consciousness
ANTH 351	Medical Anthropology
ANTH 352	Food and Body Politic
ANTH 361	Special Topics in Anthropology
ANTH 362	Special Topics in Cultural Anthropology
ANTH 401	Cooperative Internship in Anthropology

Minimum Total Hours 21-23

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Sociology (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Sociology

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Sociology (<http://louisville.edu/sociology>)
Academic Plan Code(s): SOC_MINOR

Admission to the minor in Sociology requires:

1. Completion of SOC 301 with a grade of C or better;
2. A minimum cumulative grade point average of 2.0; and
3. A minimum grade point average of 2.0 in any courses in Sociology.

Completion of the minor requires completion of SOC 303 and SOC 320 with a grade of C or better.

Program Requirements

Code	Title	Hours
SOC 201	Introduction to Sociology - SB	3
SOC 301	Introduction to Social Statistics	3

SOC 303	Introduction to Research Methods - WR	3
SOC 320	Social Theory - WR	3
SOC 323	Diversity and Inequality	3
Sociology electives at any level		3
Sociology electives at 300 level		3
Minimum Total Hours		21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Spanish (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Spanish

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Classical and Modern Languages (<http://louisville.edu/modernlanguages>)

Academic Plan Code(s): SPANMINOR

Program Requirements

Code	Title	Hours
Select one of the following:		6
SPAN 201 & SPAN 202	Intermediate Spanish I & Intermediate Spanish II	
SPAN 205	Intensive Intermediate Spanish for Heritage Learners	
Select one of the following sequences:		
Sequence One:		15
SPAN 305	Spanish Grammar in Context	
SPAN 310	Readings and Writing in Spanish I	
SPAN 321	Communication and Conversation in Spanish	
Two Spanish Electives at 300 level or above		
Sequence Two:		12
SPAN 325	Bridging Linguistic Registers for Heritage Learners of Spanish	
SPAN 335	Advanced Spanish for Heritage Learners	
Two Spanish Electives at 300 level or above		
Minimum Total Hours		18-21

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Sport Administration (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Sport Administration

Unit: College of Education and Human Development (<http://www.louisville.edu/edu>)
Department: Health and Sport Sciences (<http://www.louisville.edu/edu/hpes>)

Academic Plan Code: SPADMINOR

Program Requirements

Code	Title	Hours
SPAD 281	Principles of Sport Administration ¹	3
SPAD 284	Issues and Ethics in Sport ¹	3
SPAD 382	Sport Management and Leadership	3
SPAD 383	Sport Marketing	3
Select two of the following:		6
SPAD 353	Sport and Film	
SPAD 360	Administration of Intramural Activities	
SPAD 390	Sport Governance ²	
SPAD 391	Sociology of Sport	
SPAD 404	Financial Principles in Sport ²	
SPAD 405	Sport Facility Management ²	
SPAD 437	Data and Analytics in Sport	
SPAD 445	Sport Communication	
SPAD 480	Athletics in Higher Education ²	
SPAD 489	Legal Aspects of Sport ²	
SPAD 509	International Sport ²	
SPAD 510	Entrepreneurship in Sport Business ²	
SPAD 524	Management of Professional Baseball ²	
SPAD 525	Sport Event Planning and Management ²	
SPAD 529	Women and Sport ²	
SPAD 530	Sport Promotion and Sales ²	
SPAD 536	Sport Administration in Nonprofit Organizations ²	
SPAD 561	Special Topics in Sport Administration ²	
SPAD 571	Sport for Development and Peace ²	
Minimum Total Hours		18

A 2.25 grade point average is required in the Sport Administration minor.

Any grade of D will not be accepted in SPAD courses. ²

¹ A grade of C or better is required for SPAD 281 and SPAD 284 (C-minus will not count).

² Please note that these courses have prerequisites which may not be listed in the courses above.

Applied Statistics and Data Science (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Applied Statistics and Data Science

Unit: School of Public Health (<http://louisville.edu/sphis>) & Information Sciences (<http://louisville.edu/sphis>)
Academic Plan Code(s): ASDSMINOR

Program Information

A demonstrated working knowledge in statistical and data science methods has become a vital component for students in many disciplines such as business, journalism, natural and social sciences, political science, psychology, and public health. As evidenced by nationwide employment statistics, employment prospects, and rates, both demand and compensation for individuals with strong quantitative sciences

backgrounds are much higher than graduates with minimal exposure to these areas.

The Applied Statistics and Data Science minor exposes students to several commonly applied statistical methods and data science techniques bolstering and complementing a wide variety of undergraduate majors by enhancing their career opportunities. Students in this program will be trained in data management, analysis, reasoning, and decision making using various types of data.

Admission to the minor requires completion of at least 30 hours of degree-applicable credits with a minimum cumulative GPA of 2.0. In addition, students must have taken MATH 111 (or an equivalent) or higher with a minimum grade of B-minus as part of the 30 credit hours. The minor is open to any undergraduate who meets these prerequisites, regardless of major.

Program Requirements

The program consists of three required courses and three elective courses, where one of the electives must be a Statistical Computing course (see table below). One of the required courses, PHST 301, may be substituted by an approved equivalent course from another unit.

A laptop capable of running basic statistical software is a requirement for coursework in this program.

Code	Title	Hours
Core Courses		
PHST 301	Quantitative Methods in Public Health ¹	3
PHST 302	Intermediate Statistical Analysis	3
PHST 310	Applied Statistical Regression Models	3
Guided Electives ²		9
PHST 315	Sports Statistics	
PHST 421	Statistical Computing in R ²	
PHST 431	The Principles of Statistical Learning	
PHST 440	Statistical Study Design and Research Methods	
PHST 520	Statistical Computing and Data Management with SAS ²	
PHMS 430	Elements of Data Mining	
Minimum Total Hours		18

Students must complete all program coursework with a grade of C-minus or higher.

¹ Approved substitutions include: IE 360, MATH 109, PAS 408, PSYC 301, SOC 301, BIOL 350.

² Student must complete at least one of PHST 520 or PHST 421.

Theatre Arts (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Theatre Arts

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Theatre Arts (<http://louisville.edu/theatrearts>)
Academic Plan Code(s): TA_ _MINOR

Program Requirements

Code	Title	Hours
TA 240	Stagecraft	3
TA 224	Introduction to Acting as Communication - OC	3
or TA 322	Acting the Black Experience - AH, D1	
TA 326	Cultural Diversity in Performance - AH, D1	3
TA 350	Theatre Production Practicum (five productions, 1 credit each)	5
TA 360	Theatre History & Script Analysis I: Classical-Medieval - WR	3
or TA 361	Theatre History & Script Analysis II: Renaissance-Romantic - WR	
or TA 362	Theatre History & Script Analysis III: Modern & Contemporary - WR	
TA 460	Black Diasporic Conversations Seminar	1
Theatre Arts (TA) Electives		6
Minimum Total Hours		24

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Urban and Regional Analysis (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Urban and Regional Analysis

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Geography and Geosciences (<http://www.louisville.edu/a-s/geog>)
Academic Plan Code(s): U&RAMINOR

Program Requirements

Code	Title	Hours
GEOG 200	Human Geography in a Changing World - D2, SB	3
GEOG 327	Economic Geography	3
GEOG 328	Urban Geography	3
Select four of the following:		12
GEOG 331	Population Geography	
GEOG 390	Special Topics ¹	
GEOG 528	Planning, History and Issues	
GEOG 530	Transportation Geography	
GEOG 531	GIS & Urban Demographic Analysis	
GEOG 535	GIS and Retail Site Analysis	
GEOG 548	Special Topics in Urban Analysis Applications in GIS	
GEOG 561	Urban Environmental Quality	
GEOG 590	Special Topics ¹	
Minimum Total Hours		21

¹ Must be an urban topic.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

Wellness Coaching (Minor)

The minor in Wellness Coaching is offered by the School of Nursing, effective Fall 2018.

The Wellness Coaching minor through the College of Education and Human Development, Department of Health and Sports Sciences has been suspended to further enrollment, effective Summer 2018.

Minor in Wellness Coaching

(students enrolling in the minor after May 2018)

Unit: School of Nursing (<http://louisville.edu/nursing>)

Academic Plan Code(s): WELLMINOR

To enroll in the Wellness Coaching minor, students must have at least a 2.50 cumulative university GPA.

Program Requirements

Code	Title	Hours
Core Requirements		
NURS 201	Introduction to Wellness Coaching	3
NURS 388	Global Health: Disparities and Social Determinants - D2, SB ¹	3
SW 460	Motivation and Change	3
NURS 301	Internship in Wellness Coaching	3
Elective Coursework		
Select two courses (6 hours) from the following:		6
LEAD 412 or ELFH 412	Coaching and Talent Development	
PSYC 305	Brain and Behavior	
PSYC 306	Life Span Developmental Psychology	
PSYC 310	Psychology of Diversity	
PSYC 320	Exercise Psychology	
PSYC 325	Health Psychology	
HSS 302	Nutrition in Healthy Living ²	
HSS 394	Foundations of Exercise Physiology	
HSS 293	Social and Psychological Dimensions of Physical Activity - SB	
PEAC 350	Mediation & Conflict Transformation	
NURS 330	Special Topics ³	
Minimum Total Hours		18

Students must complete all required Wellness Coaching program coursework with a grade of C or better and at least a 2.50 GPA in all minor coursework.

- ¹ NURS 492 Global Public Health may be substituted, however it does not fulfill the SB or D2 Cardinal Core requirements.
- ² HSS 303 Human Nutrition may be substituted.
- ³ NURS 330 Special Topics Requires permission of the Wellness Coaching instructor.

Minor in Wellness Coaching

(students enrolled in the minor prior to May 2018)

Unit: College of Education and Human Development (<http://www.louisville.edu/edu>)

Department: Health and Sports Science (<http://louisville.edu/education/departments/hss>) (HSS)

Program Requirements

Code	Title	Hours
HSS 382	Wellness Coaching ¹	3
HSS 496	Internship in Wellness Coaching ²	3
HSS 501	Stress and Tension Control	3
PSYC 320	Exercise Psychology (previously PSYC 450) ¹	3
Select two of the following:		6
ECPY 507	Learning Theory and Human Growth and Development	
HSS 302	Nutrition in Healthy Living	
HSS 394	Foundations of Exercise Physiology	
HSS 503	Obesity: Causes, Control ^{1,3}	
HSS 597	Special Topics in Health and Sport Science	
PEAC 350	Mediation & Conflict Transformation	
PSYC 581	Introduction to Health Psychology	
SW 397	Special Topics in Social Work ¹	
Minimum Total Hours		18

2.50 GPA is required. No D grades will be accepted in minor courses.

- ¹ Please note that these courses have prerequisite requirements which may not be listed in the courses above.
- ² After Spring 2018, students may substitute an approved, equivalent internship offering (e.g., NURS 301).
- ³ Fall only

Women's, Gender and Sexuality Studies (Minor)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Minor in Women's, Gender and Sexuality Studies

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)

Department: Women's, Gender and Sexuality Studies (<http://www.louisville.edu/a-s/ws>)

Academic Plan Code(s): WGSTMINOR

Program Requirements

Code	Title	Hours
WGST 201	Women In American Culture - D1, SB	3
WGST 500	Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR	3
Electives in Women's, Gender and Sexuality Studies ^{1,2}		12
Minimum Total Hours		18

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.

- ¹ Nine hours must be 300-level or above.
- ² 6 hours must be in Humanities; 6 hours must be in Social Sciences

UNDERGRADUATE CERTIFICATES



Undergraduate Certificate Programs (non-degree)

Undergraduate certificate programs generally may be completed as stand-alone credentials. However, students must be enrolled in a degree program to be eligible for federal financial aid.

The certificates in Accounting and Equine Business are post-baccalaureate certificates taught at the undergraduate level. They are intended for individuals who have already completed an undergraduate degree in another area but are interested in a career in accounting or in the equine industry.

- Accounting (p. 466)
- Equine Business (p. 466)
- Geospatial Technologies, Applied (p. 467)
- Peace, Justice and Conflict Transformation (p. 468)
- Police Executive Leadership Development (p. 470)

Online Undergraduate Certificate

- Geospatial Technologies, Applied (<http://louisville.edu/online/programs/certificate-programs/applied-geospatial-technologies>)

Online Post-Baccalaureate Certificate

- Accounting (<http://louisville.edu/online/programs/certificate-programs/accounting>)

Accounting (CAC)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Post-Baccalaureate Certificate in Accounting

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Department: Accountancy (<http://business.louisville.edu/accountancy>)
Academic Plan Code(s): ACCTCAC, ACCTCACO

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

The Certificate in Accounting program is for those with non-accounting undergraduate degrees who are interested in an accounting career.

The University of Louisville's Certificate in Accounting Program is specifically designed to:

- Develop the basic skills needed to pass the CPA exam;
- Teach advanced accounting skills to those with non-accounting undergraduate degrees; and
- Meet the time demands of working professionals in a 21-credit hour curriculum.

Admission Requirements

To enroll in the program, students must have completed ACCT 201 and ACCT 202 or their equivalents, have a bachelor's degree from an accredited college or university, and a minimum cumulative GPA of 2.8 (on a 4.0 scale).

Program Requirements

Code	Title	Hours
Certificate Prerequisites		
ACCT 201	Principles of Financial Accounting	
ACCT 202	Principles of Managerial Accounting	
Certificate Requirements		
ACCT 301	Intermediate Accounting I	3
ACCT 302	Intermediate Accounting II	3
ACCT 310	Introduction to Accounting Information Systems	3
ACCT 315	Introduction to Taxation	3
ACCT 320	Managerial Cost Accounting	3
ACCT 430	Auditing Theory and Practice	3
ACCT Elective or Co-Op		3
Select 3 hours from the following:		
ACCT 353	Accounting for Not-For-Profit Organizations	
ACCT 401	Advanced Accounting Problems	
ACCT 411	Advanced Accounting Information Systems - CUE	
ACCT 415	Advanced Taxation	
ACCT 420	Advanced Managerial Cost Accounting	
Minimum Total Hours		21

The required courses are typically offered each fall and spring semester, and may be offered in the summer sessions.

Any course prerequisites must be met prior to registration.

Equine Business (CEA)

Post-Baccalaureate Certificate in Equine Business

Unit: College of Business (BU) (<http://www.louisville.edu/business>)
Department: Equine (<http://business.louisville.edu/equine>)
Program Website (<http://business.louisville.edu/faqs/certificate-in-equine-business>)
Academic Plan Code(s): EQNCCEA

Program Information

The certificate in Equine Business is restricted to individuals who have earned either a Bachelor of Science or Bachelor of Arts degree and want academic training in the field of equine business. The program

is designed as an intensive one-year program for full-time students, although part-time students will be accepted.

The curriculum consists of 24 hours of Equine Business courses for those individuals who possess a four-year Business degree or an MBA. The curriculum will include a minimum of 30 credit hours for those persons lacking in the certificate prerequisites.

Departmental Admission Requirements

Admission requirements include submission of an undergraduate application and official transcripts showing completion of a four-year degree, and an overall 2.8 GPA.

Priority application deadlines are June 1 for fall semester. Admission to the Equine Certificate Program is available only in the fall semesters. Priority application deadline is March 1 for summer semesters.

Program Requirements

Certificate Prerequisites

Code	Title	Hours
ECON 201	Principles of Microeconomics - SB	3
ACCT 201	Principles of Financial Accounting	3
Minimum Total Hours		6

Certificate Requirements

Code	Title	Hours
EQIN 202	Horse Industry Overview	3
EQIN 204	Equine Management	3
EQIN 301	Organization and Administration of Equine Operations	3
EQIN 302	Equine Economics	3
EQIN 304	Equine Marketing	3
EQIN 313	Equine Commercial Law	3
EQIN 402	Capstone Seminar in Equine Industry Program - CUE	3
EQIN 403	Equine Financial Management	3
Minimum Total Hours		24

Geospatial Technologies, Applied (Certificate)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Certificate in Applied Geospatial Technologies

Unit: College of Arts and Sciences (<http://louisville.edu/artsandsciences>) (AS)

Department: Geography and Geosciences (<http://louisville.edu/geogeo/undergraduate>)

Program Website (<http://louisville.edu/geogeo/undergraduate>)

Academic Plan Code(s): AGSTCGT, AGSTCGTO

Program Information

This program can be completed in a traditional classroom format or entirely online (<http://louisville.edu/online/program-finder>).

This certificate program offers an additional layer of certification to undergraduate students seeking gainful employment in the growing field of geospatial technologies. The certificate will provide an introduction to the concepts and methods of map construction and visualization, including scale, location, projection, design, symbolism, and compilation. It will provide an introduction to geographic information systems and hands-on experience using ArcGIS software, management of relational databases, and the manipulation and graphical output of digital geospatial data. Upon completion of the program, students will be fully versed in the following key areas:

- Use and application of geographic information systems programs to solve complex geospatial problems
- Use, application, and interpretation of remotely sensed data and imagery
- Use of computer programming and scripting to create custom geospatial applications
- Database storage, retrieval, and statistical analysis
- Custom digital map presentation (paper, electronic, web)

The certificate requires the completion of 15 credit hours, of which 6 are required and 9 are elective hours. See the Certificate Requirements tab for details.

Students enrolled in stand-alone certificate programs are not eligible for federal financial aid. UofL students must be enrolled in a degree granting program in conjunction with the certificate program to receive federal aid.

Admission Requirements

Students seeking the certificate must apply in, and be approved by, the Department of Geography and Geosciences. Admission to the certificate program is open to any undergraduate student with a cumulative GPA of 3.0 or higher.

This undergraduate certificate program also may be completed as stand-alone credential. However, students must be enrolled in a degree program to be eligible for federal financial aid.

Program Requirements

Code	Title	Hours
Core Coursework		6
GEOG 350	Introduction to Mapping and Geospatial Technologies	
GEOG 558	Introduction to Geographic Information Systems	
Elective Coursework		9
Choose 3 courses (9 hours) from the following:		
GEOG 355	Introduction to Remote Sensing	
GEOG 356	Introduction to Spatial Statistics	
GEOG 385	Introduction to Programming for GIS and Spatial Data Analysis	
GEOG 522	GIS and Public Health	
GEOG 531	GIS & Urban Demographic Analysis	
GEOS 571	GIS and Water Resources	
GEOG 583	Spatial and Non-Spatial Database Management	
Minimum Total Hours		15

Students must complete required courses for the certificate with a GPA of 2.75 or above.

Non-UofL students must meet the same requirements at an accredited institution.

Peace, Justice and Conflict Transformation (CPC)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Certificate in Peace, Justice and Conflict Transformation

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Academic Plan Code(s): PSCRCPC

Program Requirements

Code	Title	Hours
PEAC 325	Peace, Justice & Conflict Transformation	3
PEAC 350	Mediation & Conflict Transformation	3
PEAC 550	Service Learning in Peacebuilding	3
Select one of the following:		3
ANTH 307	Darwin	
ANTH 310/ PAS 368	Race, Culture, Identity	
ANTH/PAS 318	African-American Cultural Traditions	
ANTH 319	Cultures of the Middle East	
ANTH 320	Indians of North America - D1, SBH	
ANTH 321	American Indian Women	
ANTH 323/ PAS 383	Cultures of Africa - D2, SB	
ANTH 325	The Anthropology of Latin America - D2, SB	
ANTH 331	Anthropology of Religion	
ANTH 332	Ecology, Politics and Culture	
ANTH 333	Globalizing Inequalities - WR	
ANTH 334	Conflict, Law, and Culture	
ANTH 336	War and Society - WR	
ANTH 337	Nationalism, Violence, and the State	
ANTH 338	Anthropology of Refugees	
ANTH 340	Human Rights	
ANTH/AST 347	Global Capitalisms	
ANTH 352	Food and Body Politic	
ANTH 531	Anthropology of Water	
ART 590	Special Problems in Studio Art	
AST/CHST 341	Ethnicity and Religion in China	
AST/ANTH 347	Global Capitalisms	
CHST/AST 341	Ethnicity and Religion in China	
CJ 200	Crime and Justice in the United States - SB	
CJ 360	Juvenile Justice	
CJ 403	Prisons and Jails in the United States	
CJ 405	Crimes Against the Elderly	

CJ 415	Substance Abuse, Crime and Criminal Justice
CJ 425	Profiling Violent Crimes
CJ 430	Environmental Crime
CJ 440	Human Trafficking: Critical Thinking About Modern-Day Slavery
CJ 493	Police and the Community
CJ 519	Domestic and Family Violence
CJ 523	Race and Gender Issues in Criminal Justice - WR
CJ 597	Ethics in Criminal Justice - WR
COMM 275	African-American Communication - D1, SB
COMM 301	Special Topics in Communication
COMM/WGST 324	Communication and Gender
COMM 328	Introduction to Urban Communication
COMM 435	Media, Culture and Society
COMM 450	Advanced Intercultural Communication - CUE, WR
COMM 555	Persuasive Movements
ENGL 342	Black Women Novelists - AH, D2, WR
ENGL 368	Minority Traditions in English Literatures - AH, D2
ENGL 369	Minority Traditions in American Literature - AH, D1
ENGL 373	Women and Global Literature - AH, D2
ENGL 374	Gender and Children's Literature - AH, D1
ENGL 375	LGBTQ Literature in the United States - AH, D1
ENGL 423	African-American Literature from 1845 to the Present - WR
ENGL 549	Studies in Post-Colonial and/or Ethnic Literature - CUE
ENGL 550	Studies in African-American Literature - CUE
ENGL 554	Women's Personal Narratives - CUE
ENGL 567	Post-Colonial Voices: Writing Experience in African Literature - CUE, WR
ENGL 575	Genre Studies in African-American Literature - CUE
ENGL 577	The Harlem Renaissance - CUE
GEOG 300	Globalization and Diversity - D2, SB
GEOG/HIST 305	Historical Geography of the United States
GEOG 331	Population Geography
GEOG 500	Globalization Seminar
HIST 318	U.S. in the Sixties
HIST/PAS 322	The History of the Civil Rights Movement, 1900 to Present
HIST/WGST/ PAS/SCHG 513	U.S. Social Justice Movements
HIST 514	United States Peace Movement
HIST 519	Gilded Age and Progressive Era United States, 1877-1929 - WR
HIST 522	The American Revolution and the Confederation - CUE, WR
HIST 524	United States Civil War and Reconstruction - CUE, WR
HIST 529	Recent American History, 1945 to Present - CUE, WR
HIST 537	Black Radicalism

LALS 310	Introduction to Latin American Studies - D2, SB	POLS 384	Democracy and Its Critics - WR
LALS 311	Introduction to Latino Studies - D1, SB	POLS 386	Political Theory and Utopia - WR
PAS 247	Language, Protest and Identity - D1, SB	POLS 387	American Utopian Communities
PAS 305	Legal Lynchings: A Survey of Race, Law, and the American Justice System	POLS 520	Coping with Conflict
PAS 313	Urban Ritual Violence	POLS 563/ WGST 558	Women in Developing Countries - WR
PAS 324	Politics, Political Violence and Black Resistance	PSYC 366	Multicultural Psychology - WR
PAS 327	Politics of the Black Community - D1, SB	PSYC 407	Community Internships in Psychology - CUE
PAS 329	Slave Trade and Slavery	PSYC 408	International Service Learning and Research - CUE
PAS 355/ TA 326	Cultural Diversity in Performance - AH, D1	SCHG/SOC 453	Social Change
PAS 363/ POLS 320	Civil Rights and the Law II	SCHG/WGST/ PAS/HIST 513	U.S. Social Justice Movements
PAS 374	The Black Power Movement	SCHG/PHIL 538	Critical Social Theory
PAS 392/ WGST 343/ SOC 392	Faces of Global Poverty - WR	SW 201	Introduction to Social Work - D1, SB
PAS 412	The Underground Railroad and American Memory	SW 202	Intimate and Family Relationships - SB
PAS/WGST/ HIST/SCHG 513	U.S. Social Justice Movements	SW 352	Child Abuse and Neglect (Child Maltreatment)
PAS 514	History of Pan-African Social Thought	SW 381	Social Gerontology
PAS 520	The Black Family - WR	SW 464	Social Work and the Law
PAS 532	Slave Trade and Slavery in the African World	SOC 201	Introduction to Sociology - SB
PAS/ENGL 575	Genre Studies in African-American Literature	SOC 202	Social Problems - D1, SB
PHIL 222	Contemporary Moral Problems - AH	SOC 210	Race in the United States - D1, SB
PHIL 308	Social and Political Philosophy	SOC 305	Urban Sociology
PHIL 318/ WGST 360	Philosophy and Feminism - AH, D1	SOC 315	Environmental Sociology
PHIL 319	Philosophy of Race and Racism - AH, D1	SOC 323	Diversity and Inequality
PHIL 328	Environmental Ethics	SOC 343/ WGST 312	Sociology of Women's Health
PHIL 529	Philosophy of Emotions	SOC 394	Globalization, Culture and Third-World Development
PHIL 535	Political Philosophy	SOC/SCHG 453	Social Change
PHIL/SCHG 538	Critical Social Theory	SOC 454	Social Stratification - CUE, WR
PHIL/WGST 582	Gender, Race, and Culture in Health Care	SOC/WGST 460	Gender in the Middle East
PHIL 583	Health Care, Justice & Community	SOC 464	Race and Ethnicity - CUE, WR
POLS 313	Constitutional Law	SOC 470	Political Sociology - CUE
POLS 314	Judicial Politics	SOC/WGST 512	Gender, Race, Work, and Welfare
POLS 315	Race, Law and Politics - D1, SB	SPAD 571	Sport for Development and Peace
POLS 318	Religion and United States Politics	TA 326/ PAS 355	Cultural Diversity in Performance - AH, D1
POLS 319	Media and Politics	WGST 312/ SOC 343	Sociology of Women's Health
POLS 320/ PAS 363	Civil Rights and the Law II	WGST/POLS 323	Queer Politics
POLS/WGST 323	Queer Politics	WGST/COMM 324	Communication and Gender
POLS 324/ WGST 355	Women in American Politics	WGST 343/ PAS 392/SOC 392	Faces of Global Poverty - WR
POLS 327	African-American Politics - D1, SB	WGST 355/ POLS 324	Women in American Politics
POLS 330	International Relations	WGST 360/ PHIL 318	Philosophy and Feminism - AH, D1
POLS 331	International Organization - WR		
POLS 332	International Law - WR		
POLS 334	The Politics of Global Economic Relations		

WGST/SOC 460	Gender in the Middle East	CJ 578	Criminal Justice Leadership - WR	3
WGST/SOC 512	Gender, Race, Work, and Welfare	Minimum Total Hours		15
WGST/SCHG/ PAS 513	U.S. Social Justice Movements			
WGST 558/ POLS 563	Women in Developing Countries - WR			
WGST/PHIL 582	Gender, Race and Culture in Health Care			
Minimum Total Hours				12

Special Topics courses may qualify as electives with the approval of both the individual department and the Peace Studies Program Director.

No more than 6 credit hours may count toward both the Social Change Minor and the Certificate in Peace, Justice, and Conflict Transformation.

At least three (3) semester hours of the requirements for a certificate must be successfully completed while enrolled in the University of Louisville.

Police Executive Leadership Development (CPE)

This program was approved for students entering the university in the Summer 2019–Spring 2020 catalog year. For more information about catalog year, go to Catalog Year Information (p. 74).

Certificate in Police Executive Leadership Development

Unit: College of Arts and Sciences (AS) (<http://www.louisville.edu/a-s>)
Department: Criminal Justice (<http://www.louisville.edu/justice>)
Academic Plan Code(s): PEDCPED

The Certificate in Police Executive Leadership Development curriculum is designed to prepare agency sponsored officers for administrative careers in law enforcement. The courses offered have been approved by the University of Louisville and evaluated by the Southern Association of Colleges and Schools. Content of the individual courses as well as the overall content of the program is evaluated periodically and changes made if necessary to meet the needs of the law enforcement community.

Successful applicants are accepted to the Southern Police Institute's Administrative Officers Course and enroll as full-time students in the University of Louisville's College of Arts & Sciences. Applicants who have a baccalaureate degree earned from a regionally accredited institution are enrolled in the graduate certificate option (<http://catalog.louisville.edu/graduate/programs-study/graduate-certificate-police-executive-leadership-development>) outlined in the Graduate Catalog.

Program Requirements

The curriculum of the Administrative Officers Course (AOC) of the Southern Police Institute is chosen from the following courses and may be taken only by students regularly enrolled in the Institute.

Code	Title	Hours
CJ 471	Police Administration	3
CJ 473	Legal Issues in Police Administration	3
CJ 477	Organizational Behavior in Law Enforcement	3
CJ 576	Managing Organizational Performance	3

GRADUATE PROGRAMS AND PROFESSIONAL STUDY



The Graduate School

The Graduate School administers graduate degree programs in arts & sciences, business, dentistry, education, engineering, interdisciplinary studies, medical sciences, music, nursing, public health and social work. There are over 35 doctoral programs, more than 75 master's-level programs, and over 20 graduate certificate programs, along with Rank I programs for certified teachers.

For more information on the Graduate School, please call (502) 852-6495 or, for a complete listing of programs, refer to the Graduate Catalog (<http://catalog.louisville.edu/graduate>).

Professional Schools

The University of Louisville includes three schools that offer professional degrees: the School of Dentistry, the Louis D. Brandeis School of Law, and the School of Medicine.

For information on pre-professional curriculum and admissions requirements of the professional schools, students should contact the Arts & Sciences Advising Center.

The School of Dentistry

In addition to an undergraduate Bachelor of Science in Dental Hygiene, the School of Dentistry offers graduate and professional degree programs. They are the Doctor of Dental Medicine (DMD), Master of Science in Oral Biology (MS), and Master of Science in Dentistry (MSD) combined with an advanced specialty certificate in endodontics, orthodontics, pediatric dentistry, periodontics, and prosthodontics; and a bachelor of science in dental hygiene.

At the time of application, DMD applicants must have a minimum of 60 college credit hours with at least 35 hours of science course work, including courses in biology, general chemistry, organic chemistry, biochemistry and physics.

The master's degree in oral biology program contains graduate level courses provided by departments within the School of Dentistry. This program is directed toward a general understanding of the biology of dental science. Students obtain detailed knowledge and necessary skills required to perform biologic research. For more information, see the UofL Graduate Catalog.

The School of Dentistry offers a program of study leading to the master of science degree in dentistry for postgraduate students/residents enrolled in the advanced specialty certificate programs in endodontics, orthodontics, pediatric dentistry, periodontics, and prosthodontics.

To apply, please contact the appropriate program director of each program at louisville.edu/dentistry or contact the Office of Postgraduate Education, School of Dentistry, (502) 852-0002.

The bachelor of science in dental hygiene program is a four year program with a lower and upper division. Students complete the lower division requirements on the Belknap Campus and then apply for competitive admission to the dental hygiene upper division which is housed in the School of Dentistry on the Health Sciences Center Campus.

More detailed information about admission requirements and application procedures may be obtained at the School of Dentistry website (<https://louisville.edu/dentistry>) or by contacting the Office of Student Affairs, School of Dentistry, (502) 852-5081.

The Louis D. Brandeis School of Law

Degree Programs

The Brandeis School of Law offers a Juris Doctor (JD) degree. The program accommodates both full-time and part-time study. Full-time students complete the JD program in three years; part time students complete in four or five years.

The School of Law also offers eight dual degree programs. These include:

- JD/Master of Arts in Bioethics and Medical Humanities
- JD/Master of Arts in Humanities
- JD/Master of Arts in Political Science
- JD/Master of Business Administration
- JD/Master of Divinity
- JD/Master of Public Administration
- JD/Master of Science in Social Work
- JD/Master of Urban Planning.

Admission Requirements

To qualify for admission, candidates must earn a baccalaureate degree from an accredited institution prior to enrollment. There is no required undergraduate major and there are no pre-requisite courses. Students are encouraged to pick a major that suits their interests and to challenge themselves academically within that major. Students should choose courses that emphasize critical thinking, analysis, writing, and communication skills. These skills are necessary for the study of law. Except as noted below, all candidates must take the Law School Admission Test (LSAT) to qualify for admission.

More detailed information about admission requirements and application procedures can be obtained at louisville.edu/law/admissions or by calling the Law School Office of Admissions (502) 852-6391.

3+3 Accelerated Law Program

The law school offers a 3+3 Accelerated Law Program for students pursuing certain undergraduate majors at the University of Louisville. Students studying Criminal Justice, History, or Women's and Gender Studies may apply to begin law school during their senior year of undergraduate study. More information can be obtained from the College of Arts and Sciences (<https://louisville.edu/artsandsciences/academics/accelerated/3plus3>).

Interested students are encouraged to reach out to undergraduate advisors in one of the three eligible majors for more information.

Admission Without LSAT

The Brandeis School of Law may admit up to 10% of each incoming class without requiring the LSAT. Only students graduating from the University of Louisville may qualify. To qualify, a candidate must:

- Have an SAT or ACT score in the 85th percentile or higher;
- Maintain a cumulative GPA of no less than 3.5 throughout all undergraduate studies (this includes grades earned at other institutions, even if those classes were not transferred to the University of Louisville or calculated into the GPA at the University of Louisville);
- Attend the University of Louisville for a minimum of six (6) semesters (excluding winter and summer sessions) prior to graduation; and
- Not have a reportable LSAT score (i.e., has not taken the LSAT in the last five (5) years).

Interested students should contact Renée Ferrell, Assistant Dean for Admissions at the Brandeis School of Law, at renee.ferrell@louisville.edu.

The School of Medicine

Applicants to the first-year class of the University of Louisville School of Medicine are considered individually and are selected based on merit without consideration of race, religion, sex, age, or national origin. The Admissions Committee evaluates an applicant's acceptability based on the premedical record, scores on the Medical College Admission Test (MCAT), recommendations from Premedical Advisory Committees, established technical standards for admissions and the applicant's personality and motivation as evaluated by interviews with members of the committee. Complete four-year college preparation is encouraged. Early decision program is encouraged for stellar applicants. Inquiries concerning admission should be addressed to:

Office of Admissions

Abell Administration Ctr., Rm. 413
323 East Chestnut St.
Louisville, Kentucky 40202
(502) 852-5193 or medadm@louisville.edu

Programs of medical education that award the degree of doctor of medicine in the United States and Canada are accredited by the Liaison Committee on Medical Education (LCME). This agency is sponsored by the Association of American Medical Colleges and the American Medical Association. The University of Louisville School of Medicine is a member of the Association of American Medical Colleges and is accredited by LCME.

Application Process: The University of Louisville School of Medicine participates in the American Medical College Application Service (AMCAS). Application materials are available by May at the AMCAS website (<https://students-residents.aamc.org/applying-medical-school/applying-medical-school-process/applying-medical-school-amcas>).

Upon receipt of the application from AMCAS, the University of Louisville School of Medicine Office of Admissions will email additional application materials to qualified applicants. Completed secondary applications are due in the Office of Admissions by December 31. A processing fee is charged and is not refundable, nor can it be credited toward tuition if the applicant is accepted. The fee may be waived, however, if the

applicant has received a fee waiver from AMCAS. More information about the application process can be obtained at: louisville.edu/medschool/admissions.

Residence status: Although applications from nonresidents are accepted, residents of Kentucky are given preference for admission. This policy is consistent with the mission of the University of Louisville as a state university. Residency must be established prior to making application. Applications from international students, including those with "Deferred Action for Childhood Arrivals" status (DACA), are accepted. Consistent with the mission of the University of Louisville as a state university, those with significant academic, personal or family ties to Kentucky are given preference. International applicants are considered under the following circumstances:

The applicant either has a pending application for permanent residency status in the United States or has been granted DACA status **and**

- a) Is either married to a U.S. citizen who has an established residence in Kentucky and intends to remain in Kentucky, or
- b) Has numerous members of his or her immediate family who have established residence in Kentucky indefinitely.

International students, including those with a pending application for permanent residency or with DACA status, are not eligible for most federal benefits. Therefore, if these international students are offered admission, they must submit documentation of sufficient funds to cover the cost of completing a medical degree (see estimates (<http://louisville.edu/medicine/financialaid/cost-of-attendance>)).

The process of selecting medical school applicants involves a variety of considerations including academic, non-academic, and personal characteristics. Admission to medical school requires a strong foundation in the natural sciences (biology, chemistry, mathematics, and physics), highly developed communication skills, and a solid background in the social sciences and humanities. Specific majors are not recommended, but the undergraduate major area of study should be a careful and considered decision. All applicants to medical school must take the Medical College Admission Test. Information about the MCAT and how to apply to medical school are available at AMCAS (<https://students-residents.aamc.org/applying-medical-school/applying-medical-school-process/applying-medical-school-amcas>). Students considering making application to the University of Louisville School of Medicine should consult the school's website for information about their program, in addition to contacting the College of Arts & Sciences Advising Center, (502) 852-5502, to meet with a pre-health advisor.

Pre-Optometry

Students who are planning to apply to schools of optometry can fulfill the pre-optometry course requirements at the University of Louisville. The only optometry school in the state of Kentucky is Kentucky College of Optometry at the University of Pikeville (<https://www.upike.edu/KYCO>).

Various contract spaces made available by the Kentucky Council on Postsecondary Education (<http://cpe.ky.gov/acm/apply-cs.html>). Since schools of optometry vary somewhat in their course requirements for admission, students interested in making application should select schools to which they have an interest in applying so that they can schedule courses to meet requirements for those schools. In general, students planning to make application to schools of optometry will need a minimum of three years of college coursework including a heavy concentration in the natural sciences (biology, chemistry, mathematics, and physics) as well as courses in social sciences and humanities. Many schools of optometry give preference to students who have completed

a bachelor's degree; all schools require applicants to take the Optometry Admission Test.

Students considering making application to optometry school should contact the College of Arts and Sciences Pre-Health Professions Advisors (<https://louisville.edu/a-s/advising>) for more information. Open advising sessions are scheduled during the academic year.

Pre-Pharmacy

Students who are interested in making application to a school of pharmacy can complete prerequisite course requirements at the University of Louisville. Although requirements for admission to pharmacy schools are similar, they do vary. Students should select schools to which they are interested in applying and schedule courses to meet those requirements. The University of Kentucky College of Pharmacy and Sullivan University are the only schools in Kentucky to offer a pharmacy degree. The degree program involves a four-year professional curriculum leading to the Doctor of Pharmacy degree. Pre-Pharmacy students at the University of Louisville should consult the pharmacy school's website for the undergraduate courses required for admission to this program. Admission to pharmacy schools is competitive.

Students will need two to three years of college coursework with a heavy concentration in the natural sciences in order to meet minimum prerequisites.

All applicants must take the Pharmacy College Admission Test. Students considering making application to pharmacy school should contact the College of Arts and Sciences Pre-Health Professions Advisors (<http://louisville.edu/a-s/advising>) for more information. Open advising sessions are scheduled during the academic year.

Pre-Veterinary Medicine

Students planning to apply to schools of veterinary medicine can fulfill pre-veterinary course requirements at the University of Louisville. Since schools may vary somewhat in their requirements, students interested in making application should select schools to which they have an interest in applying so they can schedule courses to meet requirements for those schools.

There is not a school of veterinary medicine in Kentucky. However, Kentucky does have contracts with the following schools in Alabama to reserve spaces for students who are legal residents of Kentucky: Auburn University College of Veterinary Medicine (34 spaces; www.vetmed.auburn.edu) and Tuskegee University School of Veterinary Medicine (2 spaces; www.tuskegee.edu/cvm). Admission is competitive with selection made by the respective schools.

Students admitted to either the Auburn or Tuskegee program will be charged in-state tuition, with Kentucky making a payment for each enrolling student for up to four years. This is outlined by the Council on Post-Secondary Education and can be found here: cpe.ky.gov/acm/apply-cs.html (<http://cpe.ky.gov/acm/apply-cs.html>)

Students interested in making application to schools of veterinary medicine should contact the College of Arts and Sciences Pre-Health Professions Advisors (<http://louisville.edu/a-s/advising>) for more information. Open advising sessions are scheduled during the academic year.

UNDERGRADUATE COURSES A-Z



Undergraduate Course Index

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

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- Public Health, Biostatistics (PHST) (p. 806)
- Public Health, Environmental Health (PHEH) (p. 809)
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- Social Change (SCHG) (p. 814)
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- Women's, Gender & Sexuality Studies (WGST) (p. 843)

Accounting (ACCT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any

given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ACCT 200. Elements of Accounting 1.5 Units

Prerequisite(s): Admission to the Business Essentials minor program; MGMT 101; CIS 100 or CIS 250.

Description: This course is designed to introduce non-business students to the processes involved in creating financial statements and the use of those statements in the operation of a business or other entity.

Note: This course is not open to College of Business students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 201. Principles of Financial Accounting 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): An ACT math score of 25 or an SAT1 Math Sub-score of 580; or completion of MATH 111.

Description: The course focuses on the relevance and interpretation of accounting information for decision making. Preparation of financial statements is also covered.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 202. Principles of Managerial Accounting 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ACCT 201.

Description: The course focuses on the information needed by management, where this information can be obtained, and how it can be used to carry out management's responsibilities within an organization.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 205. Honors Principles of Accounting 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): An ACT math score of 25; or an SAT1 Math Sub-score of 580; or completion of MATH 111.

Description: Students explore financial statement analysis and managerial accounting techniques and use these tools to solve business problems.

Note: Open only to students accepted in the Honors Program.

Note: Replaces ACCT 201 - ACCT 202 sequence in the business core.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 301. Intermediate Accounting I 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): (Accounting certificate students only) ACCT 201 or ACCT 205.

Prerequisite(s): ACCT 201 or ACCT 205; ECON 201; ECON 202 (or concurrently); ENGL 102 or ENGL 105.

Description: The first of two courses dealing with financial reporting as reflected in Generally Accepted Accounting Principles. The course will discuss the theoretical underpinnings and the practical applications of income determination and balance sheet valuations. Focus is on the accounting cycle and the nature of the financial statements.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 302. Intermediate Accounting II 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Grade of B-minus or better in ACCT 301, or permission of the Director of the School of Accountancy.

Description: A continuation of the study of income determination and balance sheet valuations which was begun in ACCT 301.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 310. Introduction to Accounting Information Systems 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): (Accounting certificate students only) ACCT 302 (or concurrently); ACCT 320 (or concurrently).

Prerequisite(s): ACCT 302 (or concurrently); ACCT 320 (or concurrently); CIS 250 or CIS 305.

Description: An introduction to Accounting Information Systems, covering systems and control concepts, procedures and technologies, as well as systems development processes and software applications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 315. Introduction to Taxation 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): (Accounting certificate students only) ACCT 202 or ACCT 205.

Prerequisite(s): ACCT 202 or ACCT 205; CIS 250 or CIS 305; ECON 201; ECON 202; BSTA 201 or BSTA 301; ENGL 102 or ENGL 105.

Description: An introduction to the laws and regulations relating to federal taxation. The course covers individual and general business tax problems from the point of view of the accountant. Tax research methodology is also introduced.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ACCT 320. Managerial Cost Accounting 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): (Accounting certificate students only) ACCT 202 or ACCT 205. Prerequisite(s): ACCT 202 or ACCT 205; CIS 250 or CIS 305; BSTA 201 or BSTA 301. Description: Accumulating, reporting, and analyzing costs from the point of view of the management accountant. Emphasis is placed on the determination of costs relevant to a specific purpose, whether inventory valuation, control of current operation, or special decisions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ACCT 398. Co-op in Accounting II 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ACCT 397 for no more than 2 credit hours; university GPA 2.80; validation through COB Co-op office. Description: A new or continued workplace experience in an approved Accounting position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>ACCT 353. Accounting for Not-For-Profit Organizations 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ACCT 301 or faculty consent. Description: The application of accounting to governmental units, charitable organizations, hospitals, and universities. Subjects include budgeting, account structure, utilization of accounting in decision making, financial statement presentation, and an introduction to cost-benefit analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ACCT 399. Co-op in Accounting III 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Permission of COB Co-op office. Description: A new or continued workplace experience in an approved Accounting position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>ACCT 396. Zero-Credit Internship-Accounting 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ACCT 301; good academic standing; validation through the Ulmer Career Management Center; students must be Accounting majors. Description: A new workplace experience in an approved Accounting position which offers a progression of learning in a level-appropriate opportunity for practical application of classroom theory and tools. This program is available to students who have received the maximum number of co-op credit hours for their major. Note: Course is restricted and requires permission from the Ulmer Career Management Center. Note: Application to the zero-credit internship program and completion of orientation processes should be accomplished prior to employment.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ACCT 401. Advanced Accounting Problems 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ACCT 302. Description: A study of partnerships, business combinations, consolidated financial statements, and accounting for multinational enterprises. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ACCT 397. Co-op in Accounting I 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of ACCT 301; university GPA 2.80; students must be Accounting majors. Description: A new workplace experience in an approved Accounting position which offers a progression of learning in a level-appropriate opportunity for practical application of classroom theory and tools. Note: Application to the co-op program and completion of orientation processes should be accomplished prior to employment. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ACCT 411. Advanced Accounting Information Systems - CUE 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ACCT 302, ACCT 310, ACCT 315, ACCT 320, FIN 301, CLAW 301, MGMT 301, MKT 301, and MGMT 401 (or concurrently); Senior standing. Description: Coverage includes advanced data base concepts, the design and evaluation of a computerized information system, and operational and managerial auditing. Note: FIN 301, CLAW 301, MGMT 301, MKT 301, and MGMT 401 prerequisites do not apply to students admitted prior to Summer 2011. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

ACCT 415. Advanced Taxation **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ACCT 302 (or concurrently); ACCT 315.
Description: A study in detail of the Federal taxation problems relating to partnerships, corporations, estates, and trusts. Text material is supplemented by tax return preparation and research case studies. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 420. Advanced Managerial Cost Accounting **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ACCT 320.
Description: A continuation of ACCT 320, with emphasis on accounting decision models using uncertainty, the behavioral aspects of performance evaluation, and the management accountant's response to the changing manufacturing environment. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 430. Auditing Theory and Practice **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ACCT 302 and ACCT 310.
Description: A survey of the role of the certified public accountant as independent auditor of financial statements. Topics include professional ethics, generally accepted auditing standards, legal liability, statistical sampling, audits of EDP systems, internal control, audit work programs, and the auditor's opinion. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 490. Special Topics in Accounting **1-4 Units**
Term Typically Offered: Fall, Summer
Prerequisite(s): Senior standing.
Description: A variety of contemporary topics in accounting and/or taxation will be studied. Course content may vary each semester but will not duplicate other course offerings. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 499. Independent Study in Accounting **1-3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Written proposal must be sponsored by at least one faculty member and approved by the Director of the School of Accountancy. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 500. Fundamentals of Accounting **3 Units**
Description: Fundamental principles of accounting needed by the manager. Topics include the assumptions of accounting, recording and reporting transactions; interpretation of data for decision-making purposes.
Note: Fulfills a Foundation Core requirement only.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ACCT 526. Finance and Accounting Applications in Logistics and Distribution **3 Units**
Prerequisite(s): MKT 525.
Description: Fundamental principles of accounting and finance as applied to logistics and distribution as needed by managers.
Note: This course does not fulfill credit for MBA.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Aerospace Studies (AIRS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

AIRS 101. Foundations of the U.S. Air Force I **1-2 Units**
Term Typically Offered: Fall Only
Corequisite(s): Concurrent enrollment in AIRS 151.
Description: Organizational structure of the Air Force, and the customs, courtesies, and professional appearance. Air Force core values and the concepts of professionalism and officership as they apply to the military along with the opportunities and benefits available to an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AIRS 102. Foundations of U.S. Air Force II **1-2 Units**
Term Typically Offered: Spring Only
Corequisite(s): Concurrent enrollment in AIRS 152.
Description: Organizational structure of the Air Force, and the customs, courtesies and professional appearance. Air Force core values and the concepts of professionalism and officership as they apply to the military along with the opportunities and benefits available to an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AIRS 110. Air Force ROTC Independent Study **1-6 Units**
Description: Independent study of the organizational structure of the Air Force. Customs, courtesies, benefits available and professional appearance. Also, Air Force core values and the concepts of professionalism and officership. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>AIRS 151. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing the other cadets, and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 251. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 152. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing the other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 252. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 201. Evolution of U.S. Air Power I 1-2 Units Term Typically Offered: Fall Only Corequisite(s): Concurrent enrollment in AIRS 251. Description: Examination of general aspects of air and space power through a historical perspective, from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War, including discussion of the recent conflict in Iraq. This course provides students with a knowledge-level understanding for the general element and employment of air and space power. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 253. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 202. Evolution of U.S. Air Power II 1-2 Units Term Typically Offered: Spring Only Corequisite(s): AIRS 252. Description: Examination of general aspects of air and space power through a historical perspective, from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War, including discussion of the recent conflict in Iraq. This course provides the students with a knowledge-level understanding for the general element and employment of air and space power. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 254. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 210. Air Force ROTC Independent Study 1-6 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): AIRS 102 and AIRS 152, or permission of departmental chair. Description: An independent study of general aspects of air and space power through historical perspective. Provides students with a knowledge-level understanding for the general element and employment of air and space power. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 310. Air Force ROTC Independent Study 6 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): AIRS 202 and AIRS 252, or permission of departmental chair. Description: An independent study of leadership and management fundamentals, professional knowledge, leadership ethics, problem solving, and communication skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 311. Air Force Leadership Studies I 3 Units Term Typically Offered: Fall Only Prerequisite(s): Consent of department chair. Corequisite(s): Concurrent enrollment in AIRS 351. Description: A study of leadership and management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, problem solving tools and techniques, and the communicative skills required to manage in an Air Force milieu. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 255. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Description: Training in Air Force customs and courtesies, drill and ceremonies, instructing other cadets and the environment of an Air Force officer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>AIRS 312. Air Force Leadership Studies II 3 Units Term Typically Offered: Spring Only Prerequisite(s): Consent of department chair. Corequisite(s): Concurrent registration in AIRS 352. Description: A study of leadership and management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, problem solving tools and techniques, and the communicative skills required to manage in an Air Force milieu. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 451. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: Instruct 100-, 200-level cadets in Air Force customs and courtesies, drill and ceremonies, developing advanced leadership skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 351. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall Only Description: Instruct 100-, 200-level cadets in Air Force customs and courtesies, drill and ceremonies, developing advanced leadership skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 452. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: Instruct 100-, 200-level cadets in Air Force customs and courtesies, drill and ceremonies, developing advanced leadership skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 352. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: Instruct 100-, 200-level cadets in Air Force customs and courtesies, drill and ceremonies, developing advanced leadership skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 453. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall Only Prerequisite(s): AIRS 451 and AIRS 452. Description: Instruct advanced cadets in Air Force customs and courtesies, drill and ceremonies, and aid them in developing advanced leadership skills and competencies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 410. Air Force ROTC Independent Study 6 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): AIRS 311, and AIRS 312, or permission of departmental chair. Description: An independent study of the concept of the Armed Forces as an integral element of society with emphasis on the broad range of American civil-military relations and the environmental context in which US defense policy is formulated and implemented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AIRS 454. Air Force ROTC Leadership Laboratory 0 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Prerequisite(s): AIRS 451, AIRS 452, and AIRS 453. Description: Instruct advanced cadets in Air Force customs and courtesies, drill and ceremonies, and aid them in developing advanced leadership skills and competencies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AIRS 411. National Security Affairs I 3 Units Term Typically Offered: Fall Only Prerequisite(s): Consent of department chair. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>American Sign Language (ASL) Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm).</p>
<p>AIRS 412. National Security Affairs II 3 Units Term Typically Offered: Spring Only Prerequisite(s): Consent of department chair. Corequisite(s): Concurrent enrollment in AIRS 452. Description: The concept of the Armed Forces as an integral element of society, with emphasis on the broad range of American civil-military relations and the environmental context in which United States defense policy is formulated and implemented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.</p> <p>Course Fees Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (http://louisville.edu/bursar/tuitionfee).</p>

<p>ASL 101. American Sign Language I 3 Units Term Typically Offered: Fall, Spring, Summer Description: A functional-notional approach to learning beginning American Sign Language (ASL). Development of basic knowledge of and understanding of conversational ASL and cultural features of the language and community. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ASL 213. Special Topics in American Sign Language 1-3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of instructor. Description: Presentation of course material of a timely, specialized, or topical nature. Note: Specific course orientation will appear beside title. Note: May be retaken to a maximum of six hours if subject matter is different each time.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ASL 102. American Sign Language II 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ASL 101 with a minimum grade of C, or permission of instructor. Description: Continued development of basic knowledge and understanding of conversational ASL and cultural features of the language and community. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ASL 301. American Sign Language V 3 Units Term Typically Offered: Fall Only Prerequisite(s): ASL 202 with a minimum grade of C, or permission of instructor. Description: Development of advanced expressive and receptive ASL skills and cultural features of the language and community. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ASL 201. American Sign Language III 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ASL 102 with a minimum grade of C, or permission of instructor. Description: Development of intermediate expressive and receptive ASL skills and cultural features of the language and community. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ASL 302. American Sign Language VI 3 Units Term Typically Offered: Spring Only Prerequisite(s): ASL 301 with a minimum grade of C, or permission of instructor. Description: Continued development of advanced expressive and receptive ASL skills and cultural features of the language and community. Note: Clinical hours required. Note: Final course in the ASL sequence.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ASL 202. American Sign Language IV 3 Units Term Typically Offered: Spring, Summer Prerequisite(s): ASL 201 with a minimum grade of C, or permission of instructor. Description: Continued development of intermediate expressive and receptive ASL skills and cultural features of the language and community. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ASL 305. Accelerated American Sign Language V & VI 6 Units Term Typically Offered: Spring Only Prerequisite(s): ASL 102 with a minimum grade of B, or permission of instructor. Description: Allows students to complete American Sign Language III and American Sign Language IV in one semester. The course focuses on advanced expressive and receptive skills while building an understanding of the cultural context. Note: Recommended for intended majors. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ASL 205. Accelerated American Sign Language III & IV 6 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ASL 102 with a minimum grade of B, or permission of instructor. Description: Allows students to complete American Sign Language III and American Sign Language IV in one semester. The course focuses on advanced expressive and receptive skills while building an understanding of the cultural context. Note: Recommended for intended majors. Note: Clinical hours required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ASL 400. American Sign Language VII 3 Units Term Typically Offered: Fall Only Prerequisite(s): ASL 302 with a grade of C or better. Description: ASL 400 builds on the grammar and vocabulary students have learned in the beginning language sequence (ASL 101 to ASL 302). The chief aim is communicative native-like competencies, to increase understanding of advanced ASL discourse, and the improvement of conversational skills. Videos and other media from the American Deaf community will be discussed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

ASL 405. Advanced ASL 1 Unit**Grading Basis:** Pass/Fail**Term Typically Offered:** Spring Only**Prerequisite(s):** ASL 302 or ASL 305; ASL 400; admission to ASLIS major and good standing in the program.**Description:** ASL 405 builds on the grammar and vocabulary students have learned in the beginning language sequence (ASL 101 to ASL 302 / ASL 305) and ASL 400. The chief aim is communicative native-like competencies, better understanding of advanced ASL discourse, and the improvement of conversational skills. Videos and other media from the American Deaf community will be discussed.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Anatomical Sciences and Neurobiology (ASNB)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ASNB 502. Fundamentals of Neuroscience 3 Units**Term Typically Offered:** Fall Only**Prerequisite(s):** PSYC 355 or permission of instructor.**Description:** Basics of cellular and systems neuroscience are taught through a combination of lectures and laboratories. Topics include: electrical potentials in the nervous system, synaptic transmission, somatosensory pathways, special senses (vision, hearing, balance, taste, and smell), eye movements, motor systems and higher functions (language, sleep and wakefulness, cognition, emotion and memory).**Note:** Credit may not be earned in both ASNB 502 and ASNB 602.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ASNB 510. Gross Anatomy for Students of Physical Therapy** 3 Units**Term Typically Offered:** Summer Only**Description:** Lectures and laboratory dissection of regions required for students of Physical Therapy.**Note:** Limited to students of the Bellarmine University Physical Therapy program.**Note:** Limited to 40 students maximum.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ASNB 514. Molecular Neuroscience** 3 Units**Term Typically Offered:** Fall Odd Years**Prerequisite(s):** ASNB 502.**Description:** The purpose of this course in Molecular Neuroscience is to explore the molecular and cellular basis of nervous system development, function and diseases. The course will provide intellectual tools and skills to evaluate novel hypotheses and mechanisms in neuroscience. Special emphasis of the course will be to provide basic technical knowledge and tools to apply molecular biology concepts in the ongoing research in any area of neuroscience.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ASNB 517. Seminar on Developmental Neurobiology** 3 Units**Term Typically Offered:** Spring Even Years**Prerequisite(s):** ASNB 502, and BIOL 329 or ASNB 514.**Description:** The purpose of this course is to provide the student with a basic understanding of the processes and mechanisms of neural development. Specific topics include emergence of the neural primordium, patterning and growth of the nervous system, neuronal determination, axonal navigation and targeting, neuron survival and death, synapse formation, synaptic refinement and the formation of specific connections.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ASNB 566. Synaptic Organization of the Central Nervous System** 3 Units**Term Typically Offered:** Spring Odd Years**Prerequisite(s):** ASNB 502.**Description:** The purpose of this course is to provide the student with a basic understanding of synaptic circuits and the techniques used to study them. Each week we will focus on a different brain region or circuit. During the first meeting of each week the instructor will provide an overview of the topic which includes both lecture and reading material. During the second meeting of each week, students will meet with a graduate student teaching assistant to review and discuss the course material presented that week.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Anthropology (ANTH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ANTH 201. Introduction to Cultural Anthropology - D2, SB 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: This course introduces cultural anthropology and surveys its fundamental questions, concepts, methods, and data. The overall question it seeks to answer: what does it mean to be human? To answer this question and many related ones involves learning concepts such as culture, cultural relativism, universalism, evolution, race, gender, and class. The course explores the way cultural anthropologists develop their research questions and the methods and data they use to answer them. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 202. Biological Anthropology - S 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: This course provides a general introduction to biological anthropology through an examination of humans in the animal kingdom, the human evolutionary past, anthropological genetics, a comparative examination of primate and hominin fossils, and the dynamics of human variation and human adaptation.

Note: Credit is not allowed for both ANTH 202 and ANTH 207.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 203. Archaeology of Human History - D2, SBH 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: A global survey of the first 2 million years of human existence. We will trace the evolution of human culture through time, focusing on well-known archaeological sites in Africa, Asia, Europe and the Americas, examine long-term change in human societies focusing on the major developments in human physical and cultural evolution, such as tool-making, hunting, art, music, religion, the domestication of plants and animals, the rise of cities and states. Causes for these changes will be considered in detail.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 204. Archaeology - D2, SB 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: Archaeology is about discovery and learning how and why people of the past made things, what people ate, where they settled, how they used the land and sea, how they organized their societies and economies, and the nature of their religious practices and ideologies. This course emphasizes the history of archaeological endeavors, the theories that guide archaeological research and the methods and tools used by archaeologists to study the lifeways of the past.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 205. Music in World Cultures - D2, SB 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: General introduction to the world of music covering basic elements of music along with the socio-cultural aspects of music and music-making from an ethnomusicological perspective.

Note: Cross-listed with MUH 205.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 206. Principles of Archaeology - B 4 Units

Description: This course introduces students to the science of archaeology. We will cover the practical ways in which various sciences and technologies that contribute to our knowledge of how the world works also make possible our interpretation of the archaeological record. In addition to lecture, students will have the opportunity to actively explore and better understand archaeological methods in a laboratory setting.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 207. Principles of Biological Anthropology - B 4 Units

Description: This course provides a general introduction to biological anthropology through an examination of the place of humans in the animal kingdom, the human evolutionary past, a comparative examination of primate and hominid fossils, and the dynamics of human variation and human adaptation. In addition to lecture, students will have opportunity to actively explore and better understand the methods of biological anthropology in a laboratory setting.

Note: Credit is not allowed for both ANTH 202 and ANTH 207.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 301. Archaeology of Sacred Sites 3 Units

Term Typically Offered: Occasionally Offered

Description: This course examines religion through material remains that have been excavated, conserved and interpreted by archaeologists. The archaeological record makes it clear that religious experiences were a vital component of all pre-modern cultures and that the religious impulse has been a driving force in the creation of artifacts and monuments from the Paleolithic era to the present. Although religion is traditionally studied from the perspective of theology, creeds, and iconography, the mute material record of ancient religious practices offers many insights into forms of ritual, vision and belief that appear in widely scattered parts of the world, and widely separated in time. The sacred sites studied in this course range from Stonehenge and Easter Island to Giza and Machu Picchu.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 302. Underwater Archaeology 3 Units

Term Typically Offered: Occasionally Offered

Description: An introduction to one of the newest and most important fields within the discipline of archaeology: underwater archaeology. This course will examine the detection, exploration, recording, excavation, and preservation of underwater sites. Topics range from the history and development of diving techniques for working underwater, to a consideration of the laws and regulations that govern underwater exploration. Although the primary focus is on shipwrecks, the course also considers submerged cities, harbors, and other habitation sites. Emphasis will be placed on recent discoveries and advances in the field.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ANTH 303. Human Origins 3 Units Term Typically Offered: Spring Only Prerequisite(s): ANTH 202 or consent of instructor. Description: Study of the forces of evolution that shape both genetic and phenotypic human variability and exploration of the fossil record related to the evolution of modern humans. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ANTH 309. Sex, Gender and Culture 3 Units Term Typically Offered: Fall Even Years Prerequisite(s): ANTH 201, or SOC 201, or SOC 202, or any WGST course. Description: A cross-cultural examination of the interrelationship between biological sex, socially-constructed gender norms, sexuality, and culture. Topics include feminist/gender theory, masculinity, femininity, hermaphroditism, hetero-normative sexuality, and homosexuality with emphasis on non-U.S. cultures. Note: Cross-listed with WGST 300.</p>
<p>ANTH 304. Prehistoric Archaeology Europe - SBH 3 Units Term Typically Offered: Spring, Fall Odd Years Description: Prehistory of Europe from the earliest occupation around a million years ago to the Iron Age; includes peopling of Europe, Neanderthals' ecology, Upper Paleolithic creative explosion, spread of farming, trade, and rise of complex societies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ANTH 310. Race, Culture, Identity 3 Units Term Typically Offered: Occasionally Offered Description: The course focuses on the concept of race—a key element in the social science and historical literature as well as a primary marker in the organization of American life. The course considers race as a historically constructed and defined concept and considers the way it is constructed in various societies. The course examines the use of racial categories over the last 200 years and their links to gender, political and social trends, ethnicity and nationalism. Note: Cross-listed with PAS 368.</p>
<p>ANTH 305. Genes, Peoples and Evolution 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ANTH 202 or 3 hours Biology. Description: Examines how geography and history affect genetic diversity; analyzes how genetics reconstruct individual ancestry and population history. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ANTH 311. Emergence of Human Culture - SBH 3 Units Term Typically Offered: Fall Only Description: Origins and development of human culture from Paleolithic to 10,000 years ago; early hominid evolution, peopling of the world, Neanderthal behavior and replacement by modern humans; emergence of modern culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ANTH 306. Human Biological Variation 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ANTH 202 or 3 hours of Biology. Description: Course explores biological diversity in terms of evolutionary origin and adaptive significance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ANTH 312. Rise of Civilization 3 Units Term Typically Offered: Occasionally Offered Description: Focuses on sedentarization and rise of agriculture; resource intensification and domestication; emergence of inequality, complex societies, and states. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ANTH 307. Darwin 3 Units Term Typically Offered: Fall Only Description: Darwin's work in its historical and intellectual milieu; his commitment to empirical support for his theory of evolution. The social controversy associated with misunderstanding evolution today. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ANTH 313. Studies in Ethnomusicology - D2, SB 3 Units Term Typically Offered: Fall, Spring, Summer Description: General introduction to the world of music and field of Ethnomusicology. Students will learn basic elements of music and various socio-cultural aspects of music and music-making from ethnomusicological perspective. Note: Cross-listed with MUH 313.</p>
<p>ANTH 308. Primates 3 Units Term Typically Offered: Spring Only Description: Survey of primate behavior, ecology, and culture. Focus on violence and aggression, kin selection, altruism, evolution and sex, the developmental cycle, language, cognition, and male and female social behavior. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

ANTH 314. Introduction to Japanese Society - D2, SB 3 Units

Term Typically Offered: Occasionally Offered

Description: This course introduces students to contemporary Japanese society through the lens of cultural anthropology. It examines a broad range of topics including demography, kinship and family, education, gender, minority and ethnicity, popular culture, and environmental issues.

Note: Cross-listed with AST 314.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 315. The Anthropology of Europe - SB 3 Units

Term Typically Offered: Occasionally Offered

Description: This course is an examination of how European cultural, social, political and economic systems vary across space and through time. It focuses attention on ethnography and historical ethnology, and draws on other social science resources, as well. The varying relationships between political, economic and cultural cores and edges are given special emphasis. Overall the course challenges a number of assumptions about what Europe is and has been.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 316. Ancient Civilizations of Mesoamerica 3 Units

Term Typically Offered: Occasionally Offered

Description: Study of the civilizations of Mexico and Central America - the Aztec, Maya, their neighbors, their predecessors, and their socio-cultural legacy.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 317. Anthropology of China - D2, SB 3 Units

Term Typically Offered: Fall, Spring

Description: It is widely acknowledged that China is a rising power in the global political economy. However, with the coexistence of tradition and modernity, the nature of Chinese culture and society remains heavily debated. This course introduces students to a wide range of topics and issues that constitute the socio-cultural fabric of contemporary mainland Chinese society. These topics include, but are not limited to, family, gender, ethnicity, religion, education, politics, and economics. Our investigation will focus on two broad themes: 1) the unity and diversity of Chinese society, and 2) the continuity and change that took place from late traditional China to the present. The goal of this course includes learning various aspects of Chinese culture and society, examining diverse anthropological approaches to the study of China, and exploring the political dimensions of representation.

Note: Cross-listed with AST 317.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 318. African-American Cultural Traditions 3 Units

Term Typically Offered: Fall Only

Description: This course is an intensive examination of the life and culture of people of African descent in the Americas. Drawing from historical and socio-cultural literature, students are introduced to the African origins of the Diaspora in North and South America, to their socio-cultural development in the American context including cultural traditions, urbanization and kinship, and to their contributions to the development of the history and culture of American countries.

Note: Cross-listed with PAS 318.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 319. Cultures of the Middle East 3 Units

Term Typically Offered: Fall Only

Description: The term "Middle East" refers to a geopolitical and cultural area. This course examines the anthropological literature on the region to identify, probe, and analyze socio-cultural patterns and processes across a broad region of considerable complexity. The course explores what shared patterns of cultural and social life make this a region and promote cultural integration and what are the factors that produce difference and complexity. Focus is on local-level social and cultural processes contextualized within a regional and global framework.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 320. Indians of North America - D1, SBH 3 Units

Term Typically Offered: Fall Only

Description: Survey of North American indigenous people before and after European contact with a focus on the impact of colonialism on Indian nations and their relationships with the American state.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 321. American Indian Women 3 Units

Term Typically Offered: Spring Only

Description: This course analyses issues effecting contemporary American Indian women living and working in rural and urban communities throughout North America. In reading about lives, achievements, and contributions of American Indian women, often in their own words, we will see how they traveled the road to where they find themselves today and how their origins and traditions helped to shape their lives. The course will look at issues dealing with the roles of American Indian women within their societies, in education, in tribal politics, health issues, and stereotypes that persist in non-Indian societies.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 322. Archaeology of North America - SBH** 3 Units
Term Typically Offered: Spring Only
Description: North America was home to many dynamic prehistoric and historic cultural traditions expressed in the diversity of social, religious, and economic life ways. We will use archaeological and ethnohistorical data in a cross-cultural comparative examination of Native North American cultures from the initial peopling to European contact. More generally, we will explore ways in which the Native North American past has served as a laboratory for the development of anthropological theories of human behavior.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 323. Cultures of Africa - D2, SB** 3 Units
Term Typically Offered: Spring Only
Description: This course provides an introduction to the ethnography of postcolonial cultures in sub-Saharan Africa. We will examine cultural, historical, political, and socio-economic factors that shape life in several countries, specifically exploring the complexity and diversity of everyday life in urban areas. The course will be centered upon a series of ethnographic readings, films, and case studies meant to introduce students to the diversity of social worlds and experiences across this broad region. We will focus on a series of core concepts and topics across the semester, including post-coloniality, development and economics, globalization, migration and mobility, activism and politics, informality, and urban space.
Note: Cross-listed with PAS 383.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 324. Iberian Anthropology** 3 Units
Term Typically Offered: Occasionally Offered
Description: Iberia's ambiguous status regarding Europe and North Africa, analyses of cultural, social, political, economic and ecological variation and continuities within Iberia and between the peninsula and other areas.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 325. The Anthropology of Latin America - D2, SB** 3 Units
Term Typically Offered: Occasionally Offered
Description: An ethnographic examination of Latin American cultural diversity and social, political, and economic systems.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 326. African Archaeology** 3 Units
Description: African hosts the oldest record of human biological and cultural evolution. This course provides a general survey of the African Archaeological record, covering the time span from 3.3 million years ago to the beginning of complex societies. Archaeological relics and hominin fossil remains from different parts of the continent will be considered in order to demonstrate how early human life-ways have changed over time in terms of cultural innovations, subsistence behavior and social organizations. An overview of major ancient African civilizations and their main achievements will be discussed in the concluding segment.
Note: There is no prerequisite to enroll in this course.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 327. Fundamentals of Skeletal Forensics** 3 Units
Term Typically Offered: Fall Only
Description: The use of evidence to determine specific information about a deceased individual. Emphasis is on determination of age, sex, race, stature, and pathologies to determine identification.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 328. Environmental Archaeology** 3 Units
Prerequisite(s): Sophomore standing or above.
Description: This course addresses climate history and long-term patterns of change in human adaptation throughout the past 130,000 years, a time span that saw important milestones in human evolution. Common sources of data for reconstructing ancient climate and environments (such as botanical, faunal, geological and isotopic approaches) will be considered to demonstrate how archaeologists study past human relationship with the natural environment. Other topics to be discussed include causes and consequences of past glaciations, past human diet, and conditions that fostered the inception of food production. The course concludes with an overview of environmental disasters, global warming and the impacts of colonialism and industrialization on the environment.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 329. Zooarchaeology** 3 Units
Term Typically Offered: Occasionally Offered
Description: Identification of animal remains at archaeological sites, examines approaches using bone data to construct and investigate archaeological questions.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 330. Urban and Historic Archaeology** 3 Units
Term Typically Offered: Occasionally Offered
Description: An examination of the history of North America through archaeological remains. Includes historic artifacts, architecture, and settlement patterns as related to cultural history.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 331. Anthropology of Religion** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course in the anthropology of religion explores religious systems from a comparative and holistic perspective. We will look at how anthropologists approach the topic conceptually using case studies and examples from around the world. The course examines the psychology of religion, myths and symbols, rituals and art, religious language and beliefs, ethics, social behavior, and the effects of globalization and culture change on religious systems.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 332. Ecology, Politics and Culture** 3 Units
Term Typically Offered: Fall Only
Description: Examines the interaction between natural environments, sociocultural systems and power relations. Uses case studies from around the globe to illustrate this interaction.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 333. Globalizing Inequalities - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ANTH 201, or SOC 201, or SOC 202.
Description: One popular story about globalization holds that human beings have been like boats all rising together on a globalizing tide. The course uses data and perspectives from across the social sciences to develop a more realistic story-one that understands that people are not boats and that tides can alternately lift them up or beat them down, refresh them or drown them depending on the circumstances. Questions about those circumstances structure the course. Another question addressed by the course; how can knowing more about globalization and in/equality help us develop the human career in different possible directions? The readings and other materials vary greatly by period, by geographical focus, and by analytical perspective.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Cross-listed with SCHG 333.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 334. Conflict, Law, and Culture** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course introduces the subfield of cultural anthropology known as legal anthropology. The course considers the relationship between law and culture broadly as well as contemporary issues in legal anthropology and law and society studies.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 336. War and Society - WR** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ANTH 201, or SOC 201, or SOC 202.
Description: This course provides cross-cultural and historical perspectives on war and its larger social context. Course readings and lectures use political, economic, cultural, and feminist approaches to understanding war and its effects on social life.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 337. Nationalism, Violence, and the State** 3 Units
Term Typically Offered: Spring Only
Description: This course examines the development of the modern nation-state and its connections to violence. The course considers the processes, ideologies, and mechanisms of state-sanctioned violence, interethnic/racial violence, pogroms, massacres and warfare in historical and contemporary contexts. The course also considers the efforts of international agencies in the establishment of courts and the allocation of punishments and formal mechanisms countries have utilized to resolve conflict.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 338. Anthropology of Refugees** 3 Units
Term Typically Offered: Spring Only
Description: The course addresses forms of forced migration, including refugees, internally displaced persons, and those displaced by development and disasters. The course is organized around four broad themes; defining and conceptualizing refugees and forms of international intervention; anthropological theory of mobilities and displacement; and applied anthropology. The course covers theoretical implications of displacement central to the anthropological concern with transnational movements, mobility, identity, and belonging and the notion of the ethnographic field.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 339. The Anthropology of Space and Place** 3 Units
Term Typically Offered: Occasionally Offered
Description: Does where you are have anything to do with who you are? Course examines whether different spaces such as nation-states, regions, towns, and neighborhoods have anything to do with cultural difference and similarity.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 340. Human Rights** 3 Units
Description: An overview of human rights discourse, laws, social movements and organizations. Critical anthropological analysis of human rights as a social, cultural and legal system; discussion of debates such as universalism versus cultural relativism.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 342. Museums, Culture and Nationhood** 3 Units
Term Typically Offered: Occasionally Offered
Description: Examines the historical and cultural dimensions of museums; explores representations of ethnic groups in museum settings and public culture.
Note: Cross-listed with PAS 345.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 343. Language and Culture - AH, D1** 3 Units
Term Typically Offered: Fall, Spring, Summer
Description: An ethnographic perspective to the study of language, investigating how it is used to create and maintain social institutions and rituals, and how it is differentiated across genders and ethnicities.
Note: Cross-listed with ENGL 330 and LING 330.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 344. Anthropology of Clothing** 3 Units
Term Typically Offered: Fall Only
Description: Class will study how fashion and clothing are a means of understanding culture and identity; explores meaning of production and consumption of clothing globally.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 346. Sustainability: Anthropological Perspectives** 3 Units
Description: Decision makers often target growth, mostly measured by economic indicators, as the cure-all solution to a myriad of economic, ecological, and social challenges. However, growth without consideration of the environment or social equity often leads to recurring crises. This course considers environmental, social, and economic challenges that we face from a different angle: How can we meet the needs of the present without compromising the ability of future generations to meet their own needs? The goal of this course is to foster systems thinking and take a holistic approach to explore theoretical and practical issues and solutions related to environmental, social, and economic sustainability.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 347. Global Capitalisms** 3 Units
Term Typically Offered: Spring Only
Description: The course adopts an interdisciplinary approach to explore how capitalism is organized, practiced or resisted. It seeks to understand capitalism as historically situated and culturally-informed practices in different world regions.
Note: Cross-listed with AST 347.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 348. State & Empire** 3 Units
Description: The argument: that states and empires lie at the heart of the social sciences, of the humanities, and of our everyday lives. The devil lies mainly in the details. Different states and empires serve as examples, with specific foci depending on the instructor's expertise. Stressed: how older empires haunt newer ones. Also emphasized: colonization and empire work as much "at home" as they do "abroad". The course is organized to keep problematical character of states and empires in our sights. It is organized, that is, to suggest that states and empires may often present where we ordinarily do not look for them.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 349. Modes of Consciousness** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course is devoted to examining how consciousness mediates between humans and the wider material world. While all of the concepts central to anthropology and the other social sciences—culture, society, evolution, history, mind, politics, economics—are premised in consciousness, the premise receives attention only sporadically. The attention that has been paid reveals that consciousness is not uniform. It has various modes. Thus the course focuses on these.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 351. Medical Anthropology** 3 Units
Term Typically Offered: Spring Only
Description: The study of health in cultural and environmental context, and cultural diversity in beliefs and behavior relating to health and healing.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 352. Food and Body Politic** 3 Units
Term Typically Offered: Fall Only
Description: This course takes an interdisciplinary approach to the study of food. The course examines food and food-ways as products of soil, culture and politics. The study of food reveals much about social relations (family, gender and work) as well as national and international health, economic and environmental policy. Students will consider the forces that have shaped the food system and our daily food choices, or lack thereof. In particular, the course traces the evolution of the industrial food system in America and the impact this system has on our health, identity, environment, worker's rights, natural resources, animals, crop diversity and more.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 353. Evolutionary Anthropology** 3 Units
Term Typically Offered: Occasionally Offered
Description: An evolutionary anthropologist works to understand human biology and genetics using the framework of evolutionary theory to test explicit hypotheses regarding human variation. This course will review basic evolutionary theory and provide an introduction to the field of evolutionary anthropology. Special emphasis will be placed on the importance of hypothesis testing.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 354. Anthropology of Infectious Disease** 3 Units
Term Typically Offered: Fall Only
Description: Anthropology helps us understand our species across time and space from cultural and biological perspectives, and when investigating how infectious disease affects our species we must use the same perspectives. A bio-cultural approach on past and present infectious disease creates a more comprehensive and holistic scenarios when reconstructing the impact of pathogens on human populations. The course covers four paradigmatic infectious diseases: plague, leprosy, tuberculosis, and cholera.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 361. Special Topics in Anthropology** 3 Units
Term Typically Offered: Spring Only
Description: Intensive study of a particular area of either archaeology or sociocultural anthropology, to be announced in the schedule.
Note: May be repeated as topics vary, but no more than two courses will be accepted toward the major.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 362. Special Topics in Cultural Anthropology** 1-3 Units
Term Typically Offered: Fall, Spring
Description: An examination of one or more specific areas of social-cultural anthropology. Details announced each semester.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 363. Special Topics in Biological Anthropology** 1-3 Units
Description: An examination of one or more specific areas of biological anthropology. Details announced each semester.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 364. Special Topics in Archaeology** 1-3 Units
Term Typically Offered: Fall, Spring
Description: An examination of one or more specific areas of archaeology. Details announced each semester.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 377. Field Methods in Archaeology** 2-6 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of instructor.
Description: A field course in which students participate in site survey and excavation. Requires 35 hours a week in the field and a paper.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 378. Lithic Technology** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Sophomore standing or above.
Description: This course provides an introduction to the study of stone tool technology. Topics to be covered include broad examination of major changes in stone tool technology during the course of human prehistory (~3.3 million-10,000 years ago), analytical approaches commonly employed by archaeologist to interpret the lithic record, and experiential learning through knapping and lab exercises. In addition to the hands-on exercises, the course material is supported by films, and required readings from the textbooks and journal articles.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 379. Ceramic Analysis** 3 Units
Description: Pottery is abundant in many archaeological sites, and the study of pottery has a long history in archaeology. Analysis and interpretation of ceramics has been used by archaeologists to accomplish varied ends: to establish a time scale, to document interconnections between different areas, sites or groups of people, and to suggest what activities were carried out at particular sites. Archaeologists also use ceramics as a basis to understand the organization of ceramic production itself as an important activity. The varied means that archaeologists use to bridge the gap between the recovery of ceramics and their interpretation is the focus of this course.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 380. Ice Age People: Colonization of the Americans - SB 3 Units
Term Typically Offered: Fall Only

Description: It is widely accepted that the first Americans came into the New World sometime before 12,000 years ago, when the earth was in an Ice Age. Beyond this, little is certain. Anthropologists use artifacts to piece together the story of who the initial colonists were, where they originated, when and how they got here, and how they adopted to their new landscape. The goal of this course is to explore the contributions of archaeology, human genetics, paleoanthropology, linguistics, vertebrate paleontology, and paleogeography in peopling of the Americas research. We will discuss how the evidence provided by these disciplines is used in the search for Ice Age Americans. In other words, how researchers use prehistoric artifacts to build ideas about the prehistory of America.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 401. Cooperative Internship in Anthropology 3 Units
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Permission of the Anthropology department faculty internship coordinator or department chair.

Description: An assignment with a public agency or business. A written report or project is required.
Note: May be repeated.

Note: Three hours may apply to Anthropology major or minor.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 410. Skeletal Forensics 3 Units
Term Typically Offered: Spring Only

Prerequisite(s): ANTH 327.

Description: Details advanced recovery methods, the use of anthroposcopic and metric traits to estimate race, age, sex and stature. Various forms of trauma and postmortem changes to bone are highlighted. Specific aspects of individualization and positive identification are assessed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 430. Practicum in Anthropology Education 1 Unit
Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of instructor required.

Description: A practical learning experience in active learning pedagogy and practices in anthropology education. This course includes experiential learning as a peer educator/undergraduate teaching assistant.

Note: Must be selected by instructor for anthropology UTA to enroll.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 450. Readings and Research 1-3 Units
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): 9 hours in Anthropology or related areas and department chair consent.

Description: Supervised readings and research centered around a specific region or topical field of the student's choice.

Note: May be repeated for a maximum of 6 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 451. Independent Study 1-3 Units
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 475. Engaged Anthropology - CUE 3 Units
Term Typically Offered: Fall, Spring

Prerequisite(s): Junior standing and 15 credits in Anthropology or permission of instructor.

Description: In this course, students will explore anthropology as a profession and discipline that engages the public and contemporary issues and examine how majors use the knowledge and skills of an anthropology degree in the professional world. The purpose of this course is to enable students to make connections across sub fields, synthesize their understanding of anthropology, and think critically about its place in our communities and the world. The course will be team-taught and will cover the three sub-fields in the department: Cultural Anthropology, Biological Anthropology, and Archaeology. Course activities will include field trips, engagement with local organizations, and guest lectures. This course will also include a practicum intended to prepare anthropology majors for a successful job search or graduate school application in which students will learn to articulate the knowledge and skills they have acquired during their undergraduate degree.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 499. Senior Honors Thesis 3 Units
Term Typically Offered: Fall, Spring

Prerequisite(s): Senior class standing, major in anthropology; admission to Anthropology Department honors program.

Description: To be taken only with consent of a member of the departmental faculty who agrees to act as thesis adviser.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 507. Space, Place and Culture** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Graduate status, or consent of instructor.
Description: This course is organized around the question of how culture is spatially distributed. How are specific spaces and places constructed, connected, and interpreted through cultural practices?
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 508. History of Anthropology - CUE, WR** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Senior status, and 18 hours of Anthropology credits.
Description: Class explores the range of questions anthropologists pose and their historical context; how and why are human groups constructed and how are they similar to and different from one another.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Anthropology graduate students cannot enroll in this class.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 509. Archaeological Theory and Methods - WR** 3 Units
Prerequisite(s): Junior or senior status, and 18 hours of Anthropology credits.
Description: Archaeological theory and methods emphasizing basic practices and procedures in research skills and writing in archaeology.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Anthropology graduate students cannot enroll in this class.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 510. Methods in Biological Anthropology - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ANTH 202, and either ANTH 303 or ANTH 353.
Description: Bio-anthro methods, general approaches to research, and data management skills. Covers anthropometric variation and analysis of molecular data.
Note: Anthropology graduate students may not enroll in this course.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 511. Ethnographic Methods - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Junior or senior status, and 18 hours of Anthropology credits.
Description: Explores the range of qualitative research methods and techniques. Emphasis is on designing and developing a research project and conducting ethnographic fieldwork.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Anthropology graduate students cannot enroll in this class.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 512. Methods in Skeletal Forensics - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ANTH 202 or ANTH 204, and ANTH 327, and ANTH 410.
Description: This course trains students in the methods for documenting and preparing a skeletal forensics analysis report. Students will analyze a set of skeletal remains of an "unknown" individual or individuals, catalog and enter each element into a database for analysis, analyze the results, and write a report of the unknown individual(s) including species, age, ancestry, stature, sex and any trauma or pathologies present. Students will produce a documented report of the remains that could be entered as evidence and stand scrutiny of a court or coroner's rendering.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 517. Anthropology of China** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): Graduate standing or permission of the instructor.
Description: It is widely acknowledged that China is a rising power in the global political economy. However, with the coexistence of tradition and modernity, the nature of Chinese culture and society remains heavily debated. This course explores a wide range of topics and issues that constitute the socio-cultural fabric of contemporary mainland Chinese society. These topics include, but are not limited to, family, gender, ethnicity, religion, education, politics, and economics. Our investigation will focus on two broad themes: 1) the unity and diversity of Chinese society, and 2) the continuity and change that took place from late traditional China to the present. The goal of this course includes learning various aspects of Chinese culture and society, studying diverse anthropological approaches to the study of China, and examining the political dimensions of representation.
Note: Cross-listed with AST 517.
Note: Students may not receive credit for this course and ANTH 317 or AST 317.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ANTH 522. Ecology, Politics and Culture** 3 Units
Description: This course examines the relations between ecology, economic system, culture, ideology and power relations. The focus moves back and forth between theoretical synthesis and case studies. The case studies are both ethnographic and historical. A few of the themes treated in detail: the role of religious ritual in regulating certain environments; the mutual influences of ecology and political economy in the making of "the Third World"; the local and global politics of national parks; combined and uneven development. Stress is laid on political ecology as a complex, shifting, analytical framework. Questions of sustainability weave in and out of the proceedings. Also emphasized: the story of ecological analysis over the last seventy years is a story about changing relations between anthropology and other social sciences. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 526. Archaeology as Practice** 3 Units
Prerequisite(s): ANTH 204.
Description: This course focuses on the analytical techniques that archaeologists use to study the past. Students will learn the practice of archaeology emphasizing modern methods of survey, excavation and analysis used to investigate the past. By the end of the course, students will have learned how to construct their own research plan, collect and analyze their data and draw inferences about the past. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 528. Animals and Humans** 3 Units
Description: This course explores the complex and often contradictory ways that humans interact with animals. We cover a range of topics emerging from a multidisciplinary perspective including the origins of hunting and domestication: modern animal economies; cross-cultural attitudes toward animals; symbolic representations of animals in art, literature, religion and folklore; animals as companions; and the status of animals, both wild and domestic, in contemporary society. Students will gain a broad, cross-cultural perspective on the relationship humans have with the rest of the animal kingdom, focused mainly on other mammals. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 529. Zooarchaeology** 3 Units
Prerequisite(s): Graduate student status.
Description: The course will provide basic instruction in the identification of animal remains commonly recovered from archaeological sites. It will follow a taphonomic approach to zooarchaeology with an emphasis on understanding and interpreting the formation of archaeological faunal assemblages. The course examines approaches to using bone data to construct and investigate archaeological questions. Students will engage in hands-on identification and interpretation of animal remains commonly found in archaeological sites. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 530. Human Impacts on Past Environments** 3 Units
Prerequisite(s): Graduate status, or consent of instructor.
Description: This course is about the archaeological and paleoecological record of past human impacts on Earth. We will explore a number of concepts regarding socio-natural systems including land degradation, perception, resilience and sustainability. The course will provide a background for understanding the ways archaeologists and paleoecologists reconstruct past environments and recognize human impacts. We will examine a number of global case studies and discuss the possible lessons for current and future decision-making in human land-use. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 531. Anthropology of Water** 3 Units
Description: Explores the political ecology of water from prehistory to present; integrates the archaeological and historical record with contemporary examples of water management; emphasis on privatization, globalization, and health. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 534. Food and Farm Movements in the Americas** 3 Units
Description: An overview of social and political activism associated with agriculture and food. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 535. Nutritional Anthropology** 3 Units
Description: This course provides students with a broad overview of topics in nutritional anthropology; an area of study that is highly multidisciplinary. Students will learn to critically think about the impact of culture concerning the current understanding of nutrition in a biocultural context. The course will range over nutritional aspects of human evolution, federal perspectives on nutrition, aspects of nutritional epidemiology, food and ethnicity, food and self, and obesity as culture bound syndrome. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 540. Health and Civilization** 3 Units
Prerequisite(s): Graduate status, or consent of instructor.
Description: Explores biological strategies of human adaptation to different environments from an evolutionary emphasis on plasticity of human evolutionary responses. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ANTH 549. Modes of Consciousness** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course is devoted to examining how consciousness mediates between humans and the wider material world. While all of the concepts central to anthropology and the other social sciences—culture, society, evolution, history, mind, politics, economics—are premised in consciousness, the premise receives attention only sporadically. The attention that has been paid reveals that consciousness is not uniform. It has various modes. Thus the course focuses on these. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 562. Special Topics in Cultural Anthropology **3 Units**

Prerequisite(s): Consent of instructor.

Description: An examination of one or more specific areas of social-cultural anthropology. Details announced each semester.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 563. Special Topics in Biological Anthropology **1-3 Units**

Description: An examination of one or more specific areas of biological anthropology. Details announced each semester.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 564. Special Topics in Archaeology **1-3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): ANTH 202 and ANTH 204.

Description: An examination of specific areas of archaeology. Details announced each semester.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 578. Lithic Technology **3 Units**

Prerequisite(s): One introductory course in ANTH 201, ANTH 202, ANTH 203, or ANTH 204.

Description: This course provides an introduction to the study of stone tool technology. Topics to be covered include broad examination of major changes in stone tool technology during the course of human prehistory (~3.3 million - 10,000 years ago), analytical approaches commonly employed by archaeologists to interpret the lithic record, and experiential learning through knapping and lab exercises. In addition to the hands-on exercises, the course material is supported by films, and readings from the textbooks, and journal articles. Students are required to submit a literature based term paper focusing on ethnographic or archaeological case studies that incorporate lithic datasets.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ANTH 579. Ceramic Analysis **3 Units**

Description: Pottery is abundant in many archaeological sites, and the study of pottery has a long history in archaeology. Analysis and interpretation of ceramics has been used by archaeologists to accomplish varied ends: to establish a time scale, to document interconnections between different areas, sites or groups of people, and to suggest what activities were carried out at particular sites.

Archaeologists also use ceramics as a basis to understand the organization of ceramic production itself as an important activity. The varied means that archaeologists use to bridge the gap between the recovery of ceramics and their interpretation is the focus of this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Arabic (ARAB)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ARAB 121. Basic Arabic I **4 Units**

Term Typically Offered: Fall, Spring

Description: Beginning course in Modern Standard Arabic that introduces sound and writing systems and certain morphological and syntactic features. Emphasis on reading, speaking, listening and writing skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 122. Basic Arabic II **4 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): ARAB 121, placement, or permission of instructor.

Description: Second course in Modern Standard Arabic with continuing emphasis on listening, speaking, reading and writing skills, and vocabulary acquisition.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 123. Basic Arabic III **4 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): ARAB 122, or permission of instructor, or placement.

Description: Third course in Modern Standard Arabic that continues emphasizing listening, speaking, reading, and writing skills with advanced study of grammar.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 200. Study Abroad **1-15 Units**

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 201. Intermediate Arabic I **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): ARAB 123, or equivalent.

Description: To develop communicative skills of listening, speaking, reading and writing. Insight into Arabic language and culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 202. Intermediate Arabic II

3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARAB 201, or equivalent.

Description: Continued work on communicative skills of listening, speaking, reading and writing. Insight into Arabic language and culture. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 300. Study Abroad

1-15 Units

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 321. Arabic Conversation: Communication in Cultural Content

3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARAB 201, or instructor consent.

Description: The goal of this class is to increase communicative proficiency in modern standard Arabic in a variety of situations through the use of everyday scenarios and functional vocabulary. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 322. Advanced Writing Techniques in Modern Standard Arabic

3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARAB 201, or instructor consent.

Description: The focus is on writing essays using transitional devices and complex sentence structure with a more advanced level of grammar and idiomatic expressions than intermediate ARAB 201. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARAB 323. Understanding Journalistic Arabic: Reading and Listening to Arab Media

3 Units

Prerequisite(s): Satisfactory completion of ARAB 201, or instructor consent.

Description: This course is designed to increase written and aural proficiency with Journalistic Arabic. It is intended for those students who have completed ARAB 201 and have a strong command of basic structures and vocabulary in Modern Standard Arabic. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Art (Studio) (ART)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ART 101. Fundamentals of Drawing and Design

3 Units

Term Typically Offered: Fall, Spring, Summer

Description: An introductory studio experience exploring the basic elements of art through experimentation with various media and techniques including an introduction to the use of the computer as an art tool.

Note: Open to non-Art majors.

Note: May not replace ART 105 or ART 106.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 102. Fundamentals of Digital Art

3 Units

Term Typically Offered: Fall, Spring

Description: An introductory studio experience exploring the basic elements of art through experimentation with digital media and techniques using the computer as an art tool.

Note: The course is designed for non-Art majors and will not count toward the major or the minor in Fine Arts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 105. Foundation 2-D Design

3 Units

Term Typically Offered: Fall, Spring

Description: Investigation of line, form, value, color and composition in two-dimensional exercises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 106. Foundation 3-D Design

3 Units

Term Typically Offered: Fall, Spring

Description: Investigation of line, form, space, light, color, and composition in three-dimensional exercises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 107. Foundation Drawing

3 Units

Term Typically Offered: Fall, Spring

Description: Study of the basic elements of drawing including line, value, mark-making and composition. Coursework may include work from nude models.

Note: Formerly ART 115.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ART 200. Studio Art and Visual Culture - AH** **3 Units**
Term Typically Offered: Fall, Spring
Description: An introduction to the studio arts, for non-majors, involving analysis, interpretation, criticism and art appreciation through studio practice. This course is intended to give the student a foundation, or strengthen a foundation a student may already have, in visual fundamentals through lectures, readings, gallery visits and hands-on activities. Students will develop an understanding of the elements of art, a basic vocabulary for describing visual art, a general understanding of the role art has played throughout Western history, and contemporary trends. Students will also be encouraged to create subject matter of personal significance to them and by the end of the term to have directions and goals they may wish to pursue in future efforts. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 205. Foundation Design Methods** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, or ART 107; or faculty consent.
Description: Fundamental methods of solving visual communication problems found in the design arts with an emphasis on clarity and immediacy of the solution for a general audience. This course is required for students who intend to apply for the BFA program in Graphic Design. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 206. Foundation Art Concepts and Methods** **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): ART 105, ART 106, or ART 107; or faculty consent.
Description: Foundation level introduction to concepts and methods in the visual arts. This course utilizes creative and critical thinking to examine and explore a range of critical orientations and interpretive processes in the creation and understanding of meaning across studio disciplines. This three credit hour course is part of the foundation sequence of classes (one of three 200 level choices that can fulfill the requirement of students seeking a BA or BFA). For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 207. Foundation Figure Drawing** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ART 107.
Description: Study from the human figure in various media; consideration of other basic drawing problems. Coursework may include work from nude models.
Note: Formerly ART 116.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 301. Introduction to Painting** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: Basic problems in painting structured to develop technical and intuitive skills, and to allow for experimentation in a variety of media. Coursework may include work from nude models. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 305. Drawing and Composition** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206, or ART 207; or faculty consent.
Description: Further study of drawing with a focus on the development of observational and formal skills through an emphasis on spatial structures and the organization of pictorial space. Coursework may include work from nude models.
Note: Formerly taught as Intermediate Drawing.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 311. Introduction to Glassmaking Techniques** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: Introduction to hot, warm and cold glass-making techniques. Emphasis on the historic and contemporary context of glass art. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 321. Introduction to Sculpture** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: Introduction to concepts, materials, and processes of sculpture. This course explores both figurative and non-figurative issues in three dimensional art. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 331. Introduction to Clay** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: Students will learn to create forms in clay using the potter's wheel. A variety of vessel forms will be addressed. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 341. Introduction to Printmaking** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: An introduction to printmaking as a media for visual expression. Traditional techniques such as intaglio, relief and silkscreen are offered utilizing hand-drawn, photographic or digital sources.
Note: Formerly ART 325.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 351. Introduction to Black and White Photography 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.

Description: An introduction to photography as a fine art medium; emphasis on black and white photography utilizing a manual 35 mm camera. Students will learn how to develop film, process prints and gain insight into visual literacy.

Note: ART 351 is required for students pursuing a BFA in 2D Studios with a concentration in photography.

Note: Formerly Introduction to Photography.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 361. Introduction to Interior Design 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.

Description: An introduction to interior design through understanding of architectural drawings and conceptual development. This will be achieved through architectural drafting and conceptual sketches.

Note: This course is a requirement for completion of the BFA in Interior Design.

Note: Formerly taught as Introduction to Interior Architecture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 362. Color Theory and Human Factors in Interior Design 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): ART 361, BFA Candidacy, or faculty consent.

Description: A visual design theory course that explores the use of color theory and human factors/ergonomics information necessary for analyzing and designing the interior environment.

Note: This course is required to be taken in the same semester as ART 561 Interior Design Studio I.

Note: This course is a requirement for completion of the BFA in Interior Design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 371. Introduction to Graphic Design 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; BFA Graphic Design Candidacy; or faculty consent.

Description: The development of graphic design as a distinct practice including design theories with emphasis on the 20th century, modernist, postmodernist and semiotic perspectives.

Note: This course is a requirement for completion of the BFA in Graphic Design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 372. Creativity in Advertising 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ART 105, ART 106, ART 107 and ART 205; BFA Graphic Design Candidacy or faculty consent.

Description: Exploration of the team dynamic in an advertising agency, including the roles of art director, copywriter, and account planner. Students will work in teams and be given weekly advertising assignments in 1 of 3 consumer categories: package goods, service and non-profit. Students will be challenged to approach assignments strategically, conceptually and to develop rough executions of their ideas to make presentations and learn critiquing skills.

Note: This course satisfies an elective for completion of the BFA in Graphic Design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 381. Introduction to Fiber/Mixed Media 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.

Description: This mixed media course introduces fiber and fabric materials and processes. Emphasis is placed on the interconnectedness of fiber to other media - painting and printing on fabric, collage and photo imagery on cloth and sculptural form in fiber.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 383. Papermaking 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.

Description: Introduces the basic procedures of handmade paper while investigating paper-making as a means for contemporary expression.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 385. Introduction to Book Arts 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.

Description: An introduction to traditional and non-traditional book arts with focus on the construction of traditional book forms such as folded bindings, Japanese stab bindings, portfolios, as well as types of multi-signature bindings. Students will investigate approaches to combining construction methods as well as the incorporation of content and imagery into the book form.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 390. Special Problems in Studio Art 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 105, ART 106, ART 107, and ART 205; or ART 206; or ART 207; or faculty consent.
Description: Exploration of a particular theme, medium or combination of media outside the scope of established departmental curriculum.
Note: May be repeated with different subtitles to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 391. Special Problems in Studio Art for Non-Majors 3 Units
Term Typically Offered: Occasionally Offered
Description: Exploration of a particular theme, medium, or combination of media for non-studio art majors.
Note: The course is designed for non-art majors and will not count toward the major or the minor in Fine Arts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 440. Cooperative Internship in Art 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): See requirements for Cooperative Internship Program in the Undergraduate Catalog.
Description: An individually-arranged course combining a work experience with a related academic or creative project.
Note: This work/learning arrangement must be overseen by a studio faculty member and by a designated employee of an organization.
Note: Registering for ART 440 is contingent upon the student identifying a studio faculty member who will sponsor and oversee their work.
Note: May not be used to fulfill minimum requirements for the major in Art or Art History.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 501. Concepts in Painting 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 301 and BFA Candidacy; or faculty consent.
Description: Exploration of conceptual and technical issues in painting.
Note: Formerly Advanced Painting.
Note: May not be repeated.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 502. Advanced Concepts in Painting 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 301 and BFA Candidacy; or faculty consent.
Description: Exploration of individual (self-generated) conceptual issues and techniques in painting.
Note: Formerly Directed Study Painting.
Note: May be repeated up to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 503. Special Topics in Painting 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 301 and BFA candidacy; or faculty consent.
Description: Focused exploration of a painting topic, process, technique or issue.
Note: May be repeated up to 12 credit hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 504. Directed Study in Painting 1-3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 502 and BFA Candidacy; or faculty consent.
Description: A focused, in-depth exploration of self-generated problems in painting.
Note: May be repeated up to a maximum of 12 credit hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 505. Advanced Figure Drawing 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 305 and BFA Candidacy; or faculty consent.
Description: Advanced study of the human figure exploring more complex problems as a means of developing an individual approach to drawing. Coursework may include work from nude models.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 506. Themes and Concepts in Drawing 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 305 and BFA Candidacy; or faculty consent.
Description: Individual problems stressing development of personal imagery and concepts and optional media and approaches. Coursework may include work from nude models.
Note: Formally taught as Advanced Drawing Concepts.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ART 507. Directed Study in Drawing 1-3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 505 or ART 506; and BFA Candidacy; or faculty consent. Description: Experimentation on individual problems in drawing. Note: May be repeated to a maximum of 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 512. Directed Study in Glass 1-3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 511 and BFA Candidacy; or faculty consent. Description: Experimentation on individual problems in Glass. Emphasis is placed on realization and execution of ideas. Note: May be repeated up to 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 508. Art Education Methods and Research I 3 Units Prerequisite(s): Fine Arts majors only. Description: Art education methods and current research readings to satisfy Kentucky certification requirements for teachers of art in grades K-6. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 518. Art Education Methods and Research II 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Fine Arts majors only. Description: Art education methods and current research readings to satisfy Kentucky certification requirements for teachers in grades 7-12. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 509. Anatomy & Life Drawing 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ART 305 and BFA candidacy; or faculty consent. Description: The study of human anatomy for the artist as visual structural form with emphasis on skeletal system, and movement; muscle system, and surface features. Course work may include drawing from nude models. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 520. Adventures in Design Methods and Processes 3 Units Term Typically Offered: Spring Odd Years Prerequisite(s): ART 572; BFA Graphic Design Candidacy; or faculty consent. Description: An in-depth investigation of experimental methods of the design process within the context of designing effective visual communications. This studio-based exploration of graphic design revolves around Adventures: unconventional projects with emphasis placed on experimentation and observation. Note: This course satisfies an elective for completion of the BFA in Graphic Design.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 510. Design for Visualizing Data and Information 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ART 572; BFA Graphic Design Candidacy; or faculty consent. Description: Exploration of the design and production of a variety of formats (charts, tables, maps, diagrams) and challenges (presenting the information in a visually engaging way with accuracy and integrity); targeting a variety of audiences. Emphasis is placed on both the thinking and the making that goes into a successfully designed data visualization. Note: This course satisfies an elective for completion of the BFA in Graphic Design.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 521. Practice of Sculpture 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 321 and BFA Candidacy; or faculty consent. Description: Introduction to a wide range of sculpture processes and media with an exploration of concepts and issues in contemporary sculpture. Note: Formerly taught as Sculpture II. Note: May be repeated to a maximum of 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 511. Advanced Glassmaking Techniques 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 311 and BFA candidacy; or faculty consent. Description: Specialized exploration of glassmaking techniques. Emphasis on professional and academic issues pertaining to glass. Note: May be repeated up to 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 522. Sculpture Strategies 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 321 and BFA Candidacy; or faculty consent. Description: Exploration of sculpture at the advanced level with emphasis on developing an individual direction in sculpture. Note: Formerly taught as Advanced Sculpture. Note: May be repeated to a maximum of 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

ART 523. Directed Study in Sculpture 1-3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): ART 521 and BFA Candidacy; or faculty consent.
Description: Experimentation on individual problems in sculpture.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 530. Environmental Graphic Design and Wayfinding 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 572; BFA Graphic Design Candidacy; or faculty consent.
Description: Problems in architectural, environmental, and placemaking graphic design.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 531. Advanced Ceramics: Wheelthrowing 3 Units

Term Typically Offered: Fall Only
Prerequisite(s): ART 331 and BFA Candidacy; or consent of instructor.
Description: Focus on individual expression, experimentation and development of subject in wheelthrown vessels. Loading and firing of kilns is expected.
Note: Formerly taught as Advanced Ceramics I.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 532. Advanced Ceramics: Sculptural Forms 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): ART 331 and BFA Candidacy; or consent of the instructor.
Description: Focus on individual expression, experimentation and development of content driven sculptural forms. Students explore abstraction, observation and narrative through singular or modular pieces. Loading and firing of kilns is expected.
Note: Formerly taught as Advanced Ceramics II & Handbuilding Techniques.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 533. Clay Glazes and Firing 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 331 and BFA Candidacy; or faculty consent.
Description: The study of the chemistry of clay and glazes. Students will develop and test formulas for clay bodies, slips and glazes. The theories and practice of firing ware will also be explored.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 534. Directed Study in Ceramics 1-3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): ART 531 and BFA Candidacy; or faculty consent.
Description: Experimentation on individual problems in clay and ceramics.
Note: May be repeated up to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 540. Art, Design and Meaning 3 Units

Term Typically Offered: Spring Even Years
Prerequisite(s): ART 572; BFA Graphic Design Candidacy; or faculty consent.
Description: Readings and experiments applying semiotics to visual communication problems in the fine and design arts.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 541. Studio Practice in Printmaking 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): ART 341.
Description: Advanced projects in all printmaking media. Emphasis is on the unique qualities of print media for personal expression.
Note: Formerly ART 525.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 542. Digital Printmaking 3 Units

Prerequisite(s): BFA Candidacy or faculty consent.
Description: Using the computer to create imagery for printmaking. An introduction to digital techniques to be used alone or in conjunction with traditional printmaking media to produce fine art prints.
Note: Formerly ART 526.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 543. Directed Study in Printmaking 1-3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): ART 541 and BFA Candidacy; or faculty consent.
Description: Experimentation on individual problems in printmaking.
Note: Formerly ART 527.
Note: May be repeated to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ART 550. Lettering and Font Design 3 Units Term Typically Offered: Spring Odd Years Prerequisite(s): ART 572; BFA Graphic Design Candidacy; or faculty consent. Description: In-depth investigation of the contemporary world of handmade work marks and typeface design. Note: This course satisfies an elective for completion of the BFA in Graphic Design.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 556. Experimental Photography 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ART 351; or faculty consent. Description: Experimentation with historic and alternative photographic methods of image making. Note: May be repeated up to 6 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 551. Lighting and View Camera 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 351 or faculty consent. Description: Exploration of black and white photography emphasizing techniques and processes as well as conceptual problem solving. Note: Formerly taught as Photography Techniques and Processes.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 557. Advanced Photography 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 551 and ART 552, or faculty consent. Description: Working in a variety of photographic media including color, black and white, and alternative processes, students develop a personal portfolio and understanding of contemporary issues in photography. Note: Formerly taught as ART 553. Note: May be repeated to a maximum of 6 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 552. Color Imaging 3 Units Term Typically Offered: Fall Only Prerequisite(s): ART 351 or faculty consent. Description: Exploration of color photography concepts and digital media utilizing photographic principles and techniques. Note: Formerly Color Photography. Note: May be repeated to a maximum of 6 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 559. Computer Applications for Interiors I 3 Units Term Typically Offered: Fall Only Prerequisite(s): ART 361; BFA Candidacy or faculty consent. Description: An introduction to professional applications for graphic communication skills, specifically the technical drawings used in construction. Students will develop a set of construction drawings and schedules for a project of their own design. The course will introduce professional applications for AutoCAD and drawing skills, and foster the continuing development of those skills. Note: This course is a requirement for completion of the BFA in Interior Design.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 554. Alternative and Historic Photographic Processes 3 Units Term Typically Offered: Fall Only Prerequisite(s): ART 351 or Faculty Consent. Description: Exploration of historic and alternative methods of photographic image making. Students will gain an understanding of historic photographic principles in a historic context. Note: May be repeated to a maximum of 6 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ART 560. Sustainable Design 3 Units Prerequisite(s): ART 361 and ART 362; BFA Candidacy; or faculty consent. Description: Principles and theory of sustainable design in order to prepare students for the LEED (Leadership in Energy and Environmental Design) accreditation exam. Students will also learn to apply LEED professional standards into practical design solutions through interdisciplinary projects. Note: This course is a requirement for completion of the BFA in Interior Design.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ART 555. Directed Study in Photography 1-3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ART 351, BFA Candidacy, or faculty consent. Description: Experimentation on individual problems in photography. Note: May be repeated to a maximum of 12 hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>ART 561. Interior Design Studio I 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 361 and BFA Candidacy; or faculty consent. Description: Introduction to small scale interior design projects emphasizing process and techniques in relation to special populations. Note: Formerly taught as Interior Architecture Studio I. Note: This course is a requirement for completion of the BFA in Interior Design.</p>	<p>ART 566. Interiors Construction 3 Units Term Typically Offered: Fall Odd Years Prerequisite(s): ART 361 and BFA Candidacy; or faculty consent. Description: A study of interiors construction components and materials. A review of building codes, specifications and terminology. Note: This course is a requirement for completion of the BFA in Interior Design.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ART 562. Interior Design Studio II 3 Units Term Typically Offered: Fall Only Prerequisite(s): ART 561 and BFA Candidacy; or faculty consent. Description: Study of three-dimensional space through model making. Note: Formerly taught as Interior Architecture Studio II. Note: This course is a requirement for completion of the BFA in Interior Design.</p>	<p>ART 567. Interior Finishes 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 361 and BFA Candidacy; or faculty consent. Description: A study of interior materials, such as wall coverings and floor coverings and their fabrication, and marketing and installation procedures. Note: Formerly taught as Textiles and Finishes for Interior Design. Note: This course is a requirement for completion of the BFA in Interior Design.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ART 563. Interior Design Studio III 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 562 and BFA Candidacy; or faculty consent. Description: Design of projects involving such areas as historic preservation, hospitality, and retail sales. Note: Formerly taught as Interior Architecture Studio III. Note: This course is a requirement for completion of the BFA in Interior Design.</p>	<p>ART 568. Building Systems 3 Units Term Typically Offered: Fall Even Years Prerequisite(s): ART 361 and BFA Candidacy; or faculty consent. Description: An investigation of building systems including - HVAC, plumbing, electrical, lighting and acoustics and other systems. Note: Formerly taught as Environmental Systems. Note: This course is a requirement for completion of the BFA in Interior Design.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ART 564. Interior Design Studio IV 3 Units Term Typically Offered: Fall Only Prerequisite(s): ART 563 and BFA Candidacy; or faculty consent. Description: Large scale office design involving programming, space planning and specifying materials. Practice for NCIDQ exam. Note: Formerly taught as Architecture Studio IV. Note: This course is a requirement for completion of the BFA in Interior Design.</p>	<p>ART 569. Computer Applications for Interiors II 3 Units Term Typically Offered: Spring Only Prerequisite(s): ART 361 and BFA Candidacy; or faculty consent. Description: Intensive use of industry-standard software applications in the exploration, documentation, and presentation of design projects. Course will take students from 2-D drafting to 3-D modeling, rendering, and animation. Note: Formerly Computer Applications in Interior Design. Note: This course is a requirement for completion of the BFA in Interior Design.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ART 565. Directed Projects in Interior Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): Senior standing; BFA Candidacy; or faculty consent. Description: Development of advanced research and project design. Note: Formerly taught as Directed Projects in Interior Architecture. Note: May be repeated to a maximum of 6 hours. Note: This course is a requirement for completion of the BFA in Interior Design.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

- ART 570. Design for Public Issues** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Senior standing and BFA Graphic Design Candidacy; or faculty consent.
Description: The development, preparation and editing of a resume and a portfolio of work for presentation within the graphic design industry. Focus on graphic design for a defined public issue and audience. Through research and critical thinking, students define, develop and design a complete visual communications program to effectively communicate the selected public issue to the specifically defined audience.
Note: This course is a requirement for completion of the BFA in Graphic Design.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 571. Typography I** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ART 371 and BFA Graphic Design Candidacy; or faculty consent.
Description: Investigation of typography principles and methods with an emphasis on text typography.
Note: This course is a requirement for completion of the BFA in Graphic Design.
Note: Formerly taught as Letterforms I.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 572. Typography II** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ART 571 and BFA Graphic Design Candidacy; or faculty consent.
Description: Investigation of advanced typography principles and methods with an emphasis on display typography.
Note: This course is a requirement for completion of the BFA in Graphic Design.
Note: Formerly taught as Letterforms II.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 573. Identity Systems** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ART 572 and BFA Graphic Design Candidacy; or faculty consent.
Description: The identifying mark and its application across a variety of message platforms. This course is a requirement for completion of the BFA in Graphic Design.
Note: Formerly taught as Graphic Design IV.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 574. The Book Form** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ART 572 and BFA Graphic Design Candidacy; or faculty consent.
Description: The communication and expressive possibilities of bound pages as a medium for words and images.
Note: This course is a requirement for completion of the BFA in Graphic Design.
Note: Formerly taught as Graphic Design V.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 575. Packaging Design** 3 Units
Term Typically Offered: Fall Odd Years
Prerequisite(s): ART 572 and BFA Graphic Design Candidacy; or faculty consent.
Description: Problems in designing for packaging structures.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.
Note: Formerly taught as Packaging.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 576. Web Site Design** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ART 572 and BFA Graphic Design Candidacy; or faculty consent.
Description: Investigation and practice of web site design as a contemporary fine art and communication medium.
Note: This course is a requirement for completion of the BFA in Graphic Design.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 577. Design for Interaction** 3 Units
Term Typically Offered: Spring Even Years
Prerequisite(s): ART 572 and BFA Graphic Design Candidacy; or faculty consent.
Description: An investigation of the design process within the context of designing for human interaction; Advanced problems in designing for screen within the context of user experience, user interface, and interaction through screens, movement, and a variety of dynamic graphic displays exploring storymapping and narrative as vehicles.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.
Note: Formerly taught as Advanced Web Site Design.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ART 578. Image and Installation** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 351 and BFA Candidacy; or faculty consent.
Description: Students will construct artwork designed to transform site-specific spaces by using analog and digital approaches. Multi-sensory experiences of space and time will be explored through basic video editing, drone flying, sculptural, perceptual and interdisciplinary-based assignments. Installation work will be contextualized with respect to other forms of aesthetic experience and constructed with meaningful connections between individuals, sites, history, technology and materials. Artists and collaborative groups who utilize a variety of methods in order to activate public space or site-specific locations will also be studied.
Note: May be repeated to a maximum of 6 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 579. Directed Study in Graphic Design** 1-3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 571 and BFA Graphic Design Candidacy; or faculty consent.
Description: Experimentation on individual problems in graphic design.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.
Note: May be repeated to a maximum of 12 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 580. Advanced Book Forms** 3 Units
Term Typically Offered: Fall Even Years
Prerequisite(s): ART 574 and BFA Graphic Design Candidacy; or faculty consent.
Description: Advanced problems in publications for print and screen.
Note: This course satisfies an elective for completion of the BFA in Graphic Design.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 581. Advanced Fiber/Surface Design** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 381 and BFA Candidacy; or faculty consent.
Description: Traditional as well as non-traditional fiber techniques are used as a means for developing conceptual skills and problem solving ability in pursuit of a personal direction. Emphasis on surface development using printing, painting, and photo techniques.
Note: Formerly taught as Fiber. Surface.
Note: May be repeated to a maximum of 12 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 582. Advanced Fiber/ Mixed Media Art** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ART 381 and BFA Candidacy; or faculty consent.
Description: Traditional as well as non-traditional fiber techniques are used as a means for developing conceptual skills and problem solving ability in pursuit of a personal direction. Emphasis on sculptural form, papermaking techniques and installation.
Note: Formerly taught as Fiber. Construction.
Note: May be repeated to a maximum of 12 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 583. Papermaking** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): BFA Candidacy, faculty consent for graduate credit.
Description: Introduces the basic procedures of handmade paper while investigating papermaking as a means for contemporary expression.
Note: May be taken for graduate credit.
Note: May be repeated to a maximum of 6 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 584. Directed Study in Fiber and Mixed Media Art** 1-3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ART 581 or ART 582; and BFA Candidacy; or faculty consent.
Description: Experimentation on individual problems in fiber and mixed media art.
Note: May be repeated to a maximum of 12 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ART 585. Book Art Concepts** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): BFA candidacy or faculty consent.
Description: An introduction to traditional and non-traditional book arts with focus on the construction of traditional book forms such as folded bindings, Japanese stab bindings, portfolios, as well as types of multi-signature bindings. Emphasis will be placed on the book as an art form incorporating concept, design, content, and craft.
Note: May be repeated to a maximum of 6 hours.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 588. Internship in Graphic Design 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): BFA Graphic Design Candidacy or faculty consent.

Description: An individually-arranged course combining a work experience with a related academic or creative project.

Note: This work/learning arrangement must be overseen by a graphic design faculty member and by a designated employee of an organization.

Note: Registering for ART 588 is contingent upon the student identifying a graphic design faculty member who will sponsor and oversee their work.

Note: May not be used to fulfill minimum requirements for the BFA in Graphic Design.

Note: May be repeated to a maximum of 6 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 590. Special Problems in Studio Art 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): BFA Candidacy or faculty consent.

Description: Advanced exploration of a particular theme, medium or combination of media outside the scope of established departmental curriculum, with emphasis on individual problems.

Note: May be repeated with different subtitles to a maximum of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 595. Independent Study 1-3 Units

Prerequisite(s): Minimum grade point average of 3.0 overall, and minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 596. Professional Development in Interior Design - CUE 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): ART 564 and BFA Candidacy; or faculty consent.

Description: The professional aspects of interior design, with emphasis on the fundamental knowledge and technical skills required for practice in the interior design profession and the role, purpose, and study of professional development. Students will develop, prepare, and edit a resume and a portfolio of work for presentation within the interior design profession.

Note: This course is a requirement for completion of the BFA in Interior Design.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 597. Professional Development in Studio Arts - CUE 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Senior standing; BFA Candidacy and successful completion of BFA review.

Description: The development, preparation, and editing of a resume, artist's statement and a body of work for exhibition for 2-D or 3-D studios.

Note: Exhibition must be scheduled within the same calendar year as graduation.

Note: This course is required for the completion of the BFA in Studio Art and is restricted to students completing the BFA program in the current semester.

Note: Permission to enroll will be granted after the student successfully passes the BFA review in the semester prior.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 598. Portfolio Development in Graphic Design - CUE 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Senior standing and BFA Candidacy; or faculty consent.

Description: The development, preparation, and editing of a resume and a portfolio of work for presentation within the graphic design profession.

Note: ART 598 may be taken concurrently with ART 570.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ART 599. Studio Art Undergraduate Capstone Seminar - CUE 1 Unit

Term Typically Offered: Fall, Spring

Prerequisite(s): Senior standing and BA Candidacy; or faculty consent.

Description: This course provides students with a culminating experience through research, critical thinking, analytical writing and fieldwork focused on the visual arts process and professions.

Note: This course is required for completion of the BA in Studio Art.

Note: Course must be scheduled within the same calendar year as graduation.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Art History (ARTH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ARTH 203. Introduction to Art - AH 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the visual arts, for non-majors, involving analysis, interpretation, and criticism.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 250. Ancient Through Medieval Art - AH 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Survey of arts and architecture from antiquity to the Middle Ages.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 270. Renaissance Through Modern Art - AH 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Survey of art and architecture from the Renaissance to the present.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 290. Survey of Asian Art - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: A survey of the major artistic traditions of Asia, primarily China, India, Japan, Korea, and Southeast Asia from Neolithic times to the turn of the twentieth century.

Note: Cross-listed with AST 290.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 301. History and Issues of Graphic Design 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): BFA Graphic Design Candidacy or faculty consent.

Description: The themes, styles, expressions, technologies and artists that contributed to contemporary graphic design, with special consideration on the period from 1800 to present.

Note: This course is taken in the same semester as ART 371.

Note: This course is a requirement for the completion of the BFA in Graphic Design.

Note: May be used to satisfy an ARTH elective for the BA in Art History.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 320. Twentieth-Century Art 3 Units

Prerequisite(s): ARTH 270 or faculty consent.

Description: Survey of international art between 1900 and the present.

Note: Credit may not be earned for this course and ARTH 321 or ARTH 325.

Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 321. Art 1900-1945 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARTH 270 or faculty consent.

Description: Survey of international art between 1900 and 1945.

Note: Credit may not be earned for this course and ARTH 320 or ARTH 325.

Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 322. Pop Art & Fluxus 3 Units

Prerequisite(s): ARTH 270 or faculty consent.

Description: Pop Art & Fluxus investigates the international, historical, and historiographic components of two artistic movements that developed simultaneously in the late 1950s. The course considers their visual strategies and ideological positions, foregrounds the interpretive contexts in which they have been conventionally situated (ranging from social realism and Marxist critiques to camp sensibility), and challenges students to pursue a critical reevaluation of these approaches.

Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 325. Art Since 1945 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARTH 270, or faculty consent.

Description: Survey of international avant-garde art from 1945 to the present.

Note: Credit may not be earned for this course and ARTH 320 and ARTH 321.

Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 326. International Trends in Contemporary Art 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARTH 270 or faculty consent.

Description: Survey of international developments in contemporary art since 1980.

Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 331. Chinese Art 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: An introduction to important Chinese artistic works and stylistic changes through history and their relationships with Chinese society, culture and visual traditions.
Note: Cross-listed with AST 331.
Note: May be used to satisfy the Period/Area 3 - Non-western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 335. Twentieth Century Chinese Artists and Architects - AH, D2 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): ARTH 250, ARTH 270, or ARTH 290, or faculty consent.
Description: This course studies twentieth-century Chinese art and architecture through major artists and architects whose work showcases the rethinking of Chinese culture in the modern era and global context.
Note: May be used to satisfy the Period/Area 3 requirement.
Note: Cross-listed with AST 330.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 337. Eastern Asia Landscape Art 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: This course explores the traditions of Chinese and Japanese landscape art and design from its beginning phase around the first century until early 20th century.
Note: Cross-listed with AST 337.
Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 339. Architecture and Gardens in China and Japan 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: This course provides an overview of the built environment in China and Japan, both traditional and modern.
Note: May be used to satisfy the Period/Area 3 Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 341. African Art: A Survey 3 Units

Term Typically Offered: Fall Only
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: Examination of African art from the Paleolithic era to contemporary times. Relationship between classical Egyptian art and sub-Saharan art forms.
Note: Cross-listed with PAS 381.
Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 342. Selected Topics in Art History 3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Junior standing or faculty consent.
Description: An examination of one or more specific areas of Art History. Topics to be indicated in the Schedule of Courses.
Note: May be taken with different subtitles to a maximum of 12 hours.
Note: Satisfaction of curricular requirement determined by individual course content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 343. African-American Art to 1920 3 Units

Term Typically Offered: Fall Only
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: Relationship between African and African-American art from the slave era through the Harlem Renaissance in its aesthetic, social, cultural, and political contexts.
Note: Cross-listed with PAS 310.
Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 344. African-American Art 1920 to Present 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or ARTH 290; or faculty consent.
Description: Relationship between art of the Harlem Renaissance, Black Art of the 1960's and contemporary art in its aesthetic, social, cultural and political contexts.
Note: Cross-listed with PAS 311.
Note: May be used to satisfy the Period/Area 2 - after 1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 345. History of Drawing and Prints 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: Survey of history of graphic arts, emphasizing ways of interpreting drawings and prints.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 347. Historic Interiors 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: The study of building interiors in relation to design, culture, history, furniture and decorative elements.
Note: This course is a requirement for completion of the BFA in Interior Design.
Note: May be used to satisfy an ARTH elective for the BA in Art History.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 349. Contemporary Trends in African-American Art - WR 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: A survey of contemporary African-American art since the 1960s into current trends today. Students will examine contemporary paintings, sculpture, fabric art, folk art, public art, and installation art. Emphasis will be on the social, cultural, spiritual and religious influences expressed in contemporary art.
Note: Cross-listed with PAS 308.
Note: Approved for the Arts and Sciences upper-level requirement in Written Communication-WR.
Note: Credit may not be earned for this course and ARTH 549.
Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 351. Greek Art and Architecture 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250 or faculty consent.
Description: Survey of art and architecture of Ancient Greece from the Bronze Age through the Hellenistic period.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 353. Roman Art and Architecture 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250 or faculty consent.
Description: A survey of the art and architecture of Italy and the Roman world from the time of the Etruscans through late antiquity.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 362. Early Medieval Art and Architecture - WR 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250 or faculty consent.
Description: A survey of the art of western Europe from the end of the Roman Empire through the Carolingian Renaissance (4th-10th c.).
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 363. Late Medieval Art and Architecture - WR 3 Units

Prerequisite(s): ARTH 250 or faculty consent.
Description: A survey of Romanesque and Gothic art and architecture.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 364. Byzantine Art & Architecture 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250 or faculty consent.
Description: An introduction to the world of the Byzantine Empire (6th-15th c.) through an examination of the art and architecture which attest to the creativity and vibrancy of this period.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 365. Mexican Art and Architecture 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: A survey of Mexican art from the Conquest (1521) to present.
Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 367. Islamic Art and Architecture 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250 or faculty consent.
Description: An introduction to the medieval Islamic world (7th-16th c.) through an examination of the art and architecture which attest to the creative vibrancy of this period.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 371. Italian Renaissance Art I 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: Art and architecture of the Italian Renaissance during the fourteenth and fifteenth centuries.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 372. Italian Renaissance Art II 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: Art and architecture of the Italian Renaissance during the sixteenth century.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 373. Northern Renaissance Art 3 Units
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: Art and architecture of Northern Europe in the fifteenth and sixteenth centuries.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 381. Baroque Art 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: Italian, Spanish, Flemish, Dutch, and French painting and sculpture of the seventeenth century.
Note: May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 391. Nineteenth-Century Art 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: Principal trends in Western painting and sculpture of the nineteenth century.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 393. Nineteenth-Century Architecture 3 Units
Prerequisite(s): ARTH 270 or faculty consent.
Description: Major movements and figures in American and European architecture from 1750 to World War I.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 394. Twentieth-Century Architecture 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: Architecture of the United States and Europe from World War I to the present; primary emphasis on major figures and developments before 1975.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 395. American Art I 3 Units
Term Typically Offered: Fall Odd Years
Prerequisite(s): ARTH 270 or faculty consent.
Description: A survey of painting, sculpture, architecture in the American colonies and the United States from the seventeenth through the nineteenth century.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 396. American Art II 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ARTH 270 or faculty consent.
Description: A survey of the visual arts in the United States since 1900.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 397. History of Photography 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: The aesthetic development of photography, with emphasis on U.S. photographers and contemporary issues relevant to the medium.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 398. History of Landscape Architecture 3 Units
Prerequisite(s): ARTH 250, or ARTH 270, or faculty consent.
Description: The garden as form and symbol; a general survey of the history of gardens from ancient to the present time, with major emphasis on Italian, French, and English gardens.
Note: Credit may not be received for both ARTH 398 and ARTH 598.
Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 440. Cooperative Internship in Art History 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): See the College's requirements for cooperative internships in the undergraduate catalog.

Description: An individually arranged course combining a work experience with a related academic or creative project. This work/learning arrangement must be overseen by an Art History faculty member and by a designated employee of an organization.

Note: Registering for ARTH 440 is contingent upon the student identifying an Art History faculty member who will sponsor and oversee their work.

Note: May not be used to fulfill minimum requirements for the major in Art or Art History.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 501. Advanced History and Issues of Graphic Design 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): BFA Graphic Design Candidacy or faculty consent.

Description: The themes, styles, expressions, technologies and artists that contributed to contemporary graphic design, with special consideration on the period from 1800 to the present.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 521. Studies in Modern Art 3 Units

Prerequisite(s): One 300-level course in Modern Art or consent of instructor.

Description: Reconstruction and interpretations of modern artistic aspirations through study of sources and documents by artists, critics and historians.

Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 523. History of Performance Art 3 Units

Prerequisite(s): ARTH 270 and ARTH 325; or permission of instructor; or graduate standing.

Description: History of Performance Art is designed as an advanced upper-level seminar that investigates the international, historical developments in Performance Art after World War II. It considers the experimental strategies and ideological aims of visual artists who used their bodies as the primary vehicle of expression, information, communication, and social change. Performance Art has had the dubious distinction of being the most censored art medium, and since the 1960s artists have been continually arrested and fined for their work. This is a highly significant social fact, one that draws attention to Performance Art's particularly disruptive aesthetic codes and materials-emphasizing presentation over representation; intersubjective, human bodies over inanimate objects; and temporarily over spatiality.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 524. Installation Art 3 Units

Prerequisite(s): ARTH 270 and ARTH 325; or permission of instructor; or graduate standing.

Description: An advanced exploratory seminar that investigates a contemporary art form as well as a thorny art-historical problem: the term "installation" now functions both as a loose descriptor for a myriad of contemporary artworks (having supplanted terms such as Assemblage and Environment) independent of medium and context, as well as a general and comprehensive art-historical genre, a circumstance that has its own compelling historical development. The course is designed so that students can grapple with a central issue for contemporary art-the definition of a burgeoning critical term for art history.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 525. Representations of Trauma in the Visual Arts 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARTH 270 and ARTH 325; or permission of instructor.

Description: This seminar examines the changing relationships between trauma and its representation in the twentieth century. Beginning with the Holocaust, the course charts a trajectory from this most profound of collective traumas, to the refinement of clinical definitions of trauma (e.g., PTSD) in the wake of the Vietnam War, to the development of trauma studies in the humanities in the 1990s, to the recent "pictorial turn" within scholarship on trauma. This historical framework will be brought to bear upon the dynamics of how trauma and visibility have been approached by scientists, scholars, and artists.

Note: Cross-listed with WGST 525.

Note: May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 526. Studies in Contemporary Art 3 Units

Prerequisite(s): ARTH 320, or ARTH 321, or ARTH 325 or or ARTH 326, or permission of the instructor.

Description: An advanced-level seminar on special topics in contemporary art.

Note: May be used to satisfy the Period 2/Area - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 531. Studies in Asian Art 3 Units

Prerequisite(s): One 300-level course in Asian Art, or consent of instructor.

Description: Selected topics that examine the development of art and architecture in the context of the social and cultural history of China and Japan.

Note: Cross-listed with AST 531.

Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 541. Theories & Methods of Art History 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of the instructor.

Description: An introduction to various art historical and interdisciplinary theoretical perspectives and methodological approaches that have shaped the understanding, interpretation, and production of visual art and culture in the nineteenth century to the present. The course will explore these theories and methods as specific fields of inquiry (discourses as such) through the study of primary texts, secondary or applied texts, artists' writings and artworks.

Note: May be used to satisfy an ARTH elective for the BA in Art History.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 542. Special Topics 3 Units

Prerequisite(s): Permission of the instructor.

Description: An examination of one or more specific areas of Art History not covered in the regular course offerings. Content to be indicated in schedule of courses.

Note: May be taken with four different subtitles to a maximum of 12 hours.

Note: Satisfaction of curricular requirement determined by individual course content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 543. Independent Study 1-3 Units

Prerequisite(s): Minimum grade point average of 3.0 overall, and minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department, or consent of instructor.

Description: Topic and content to be determined in consultation with instructor.

Note: Satisfaction of curricular requirement determined by individual course content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 544. Pan-African Art: Form and Content 3 Units

Prerequisite(s): Permission of the instructor.

Description: Similarities and differences in African-American folk art, Caribbean folk art, and traditional African art.

Note: Cross-listed with PAS 581.

Note: May be used to satisfy the Period/Area 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 547. Introduction to Critical and Curatorial Studies I 3 Units

Prerequisite(s): Consent of instructor.

Description: An introduction to curatorial practice of the last 30 years. Focusing on the curator's increasingly prominent role in the reception and synthesis of contemporary art, the course explores developments in exhibition design in terms of art production, international exchange, globalization, and critical theory.

Note: Cross-listed with CCS 547.

Note: A student may only receive credit for only one of the courses: ARTH 547, CCS 547, ARTH 647, CCS 647.

Note: Formerly Museum Methods I.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 548. Critical and Curatorial Studies II 3 Units

Prerequisite(s): ARTH 547, or CCS 547, or ARTH 647, or CCS 647, or consent of instructor.

Description: This seminar is structured as a curatorial practicum. Students work with the professor to develop and produce an exhibition from the university's print collection. Throughout the semester, weekly readings and presentations focus on contemporary exhibition practice as well as on the theoretical and critical concerns undergirding the student's developing exhibition.

Note: Cross-listed with CCS 548.

Note: A student may receive credit for only one of the following courses: ARTH 548, ARTH 648, CCS 548 and CCS 648.

Note: Formerly taught as Museum Methods II.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 549. Contemporary Trends in African-American Art 3 Units

Prerequisite(s): One 300-level art history course or faculty consent.

Description: Survey of contemporary African American art since the 1960s into current trends today. Examination of contemporary paintings, sculpture, fabric art, folk art, public art, and installation art.

Note: Cross-listed with PAS 509.

Note: Undergraduate credit may not be earned for this course and ARTH 349 and ARTH 329.

Note: May be used to satisfy the Period 3/Area - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 550. Art History Undergraduate Capstone Seminar - CUE 3 Units**Term Typically Offered:** Occasionally Offered**Prerequisite(s):** Senior standing and BA candidacy; or faculty consent.**Description:** The Art History Program's undergraduate capstone seminar evaluates the ability of our majors to conduct original art historical research, frame their investigations in the form of a scholarly abstract, and present their ideas in a "conference paper" following the conventions appropriate to the discipline.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 551. Studies in Ancient Art 3 Units**Prerequisite(s):** ARTH 351, or ARTH 353, or consent of instructor.**Description:** Selected topics in ancient art and architecture.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 552. Ancient Painting 3 Units**Prerequisite(s):** ARTH 351, or ARTH 353, or consent of instructor.**Description:** A study of mural painting from the ancient cultures of Egypt, the Aegean, Greece and Italy.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 553. Ancient Cities 3 Units**Prerequisite(s):** ARTH 351, or ARTH 353, or consent of instructor.**Description:** A study of the development of the city in the Mediterranean region from prehistoric times to the late Roman Empire.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 561. Studies in Medieval Art 3 Units**Prerequisite(s):** One 300-level course in Medieval art or architecture, or consent of instructor.**Description:** Studies in the art and architecture of the Middle Ages emphasizing a synthesis of the arts in a particular period or place.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 571. Studies in Renaissance Art 3 Units**Prerequisite(s):** One 300-level course in Renaissance art, or consent of instructor.**Description:** Study of a major phase of painting or sculpture, fifteenth or sixteenth century, in Italy or Northern Europe, with emphasis on sources and development of style.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 574. History of Drawing and Prints 3 Units**Term Typically Offered:** Occasionally Offered**Prerequisite(s):** One 300-level course in Art History, or faculty consent.**Description:** Origin and development of woodcut, engraving, etching, aquatint, lithography, and serigraphy; major artists using these techniques.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 581. Studies in Baroque Art 3 Units**Prerequisite(s):** ARTH 381 or consent of instructor.**Description:** Study of one of the leading artists of the seventeenth and eighteenth centuries, such as Bernini, Borromini, Tiepolo, Velazquez, Rembrandt, Rubens, or Watteau.**Note:** May be used to satisfy the Period/Area 1 - Pre-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 593. Studies in Modern Architecture 3 Units**Prerequisite(s):** One 300-level course in Modern architecture, or consent of instructor.**Description:** Principal forms and theories of urban and building design in relation to social forces in modern Europe and America.**Note:** May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 595. Studies in American Art 3 Units**Prerequisite(s):** One 300-level course in American art or architecture, or consent of instructor.**Description:** Studies in American architecture, city planning, decorative arts, painting, or sculpture, from colonial times to present.**Note:** May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ARTH 597. Studies in Photographic History 3 Units**Prerequisite(s):** Consent of instructor.**Description:** The aesthetic development of photography, with emphasis on U.S. photographers and contemporary issues relevant to the medium.**Note:** May be used to satisfy the Period/Area 2 - after-1750 requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Asian Studies (AST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

AST 270. Chinese Contributions to the World - AH, D2 3 Units
Term Typically Offered: Occasionally Offered
Description: An introduction to Chinese historical scientific contributions to the world, the reciprocal influences between Chinese and non-Chinese cultures, and Chinese ethnicity and identities within the global context.
Note: Cross-listed with CHST 270 and M L 270.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 290. Survey of Asian Art - AH, D2 3 Units
Term Typically Offered: Fall, Spring, Summer
Description: A survey of the major artistic traditions of Asia, primarily China, India, Japan, Korea, and Southeast Asia from Neolithic times to the turn of the century.
Note: Cross-listed with ARTH 290.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 308. Geography of China 3 Units
Term Typically Offered: Occasionally Offered
Description: The primary objective of this course is to help students gain a better understanding of the geography of China's history, culture, and development. Analysis and interpretations of historical and contemporary issues in China from a geographical perspective.
Note: Cross-listed with GEOG 308.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 310. Introduction to Asian Studies 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Permission of instructor.
Description: An interdisciplinary overview of the geography, history, politics, societies, and cultures of China, India, and Japan.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 314. Introduction to Japanese Society - D2, SB 3 Units
Term Typically Offered: Occasionally Offered
Description: This course introduces students to contemporary Japanese society through the lens of cultural anthropology. It examines a broad range of topics including demography, kinship and family, education, gender, minority and ethnicity, popular culture, and environmental issues.
Note: Cross-listed with ANTH 314.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 316. Geography of South Asia 3 Units
Description: An analysis of the Indian subcontinent; emphasis on the physical and cultural setting, political disturbances, population problems, and economic development.
Note: Cross-listed with GEOG 316.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 317. Anthropology of China - D2, SB 3 Units
Term Typically Offered: Fall, Spring
Description: It is widely acknowledged that China is a rising power in the global political economy. However, with the coexistence of tradition and modernity, the nature of Chinese culture and society remains heavily debated. This course introduces students to a wide range of topics and issues that constitute the socio-cultural fabric of contemporary mainland Chinese society. These topics include, but are not limited to, family, gender, ethnicity, religion, education, politics, and economics. Our investigation will focus on two broad themes: 1) the unity and diversity of Chinese society, and 2) the continuity and change that took place from late traditional China to the present. The goal of this course includes learning various aspects of Chinese culture and society, examining diverse anthropological approaches to the study of China, and exploring the political dimensions of representation.
Note: Cross-listed with ANTH 317.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 323. Doing Business in China 3 Units
Description: Discussion of business traditions, practices, etiquette, and norms in China.
Note: Cross-listed with CHST 323.
Note: Conducted in English.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 330. Twentieth Century Chinese Artists and Architecture - AH, D2 **3 Units**

Term Typically Offered: Spring Only

Prerequisite(s): ARTH 250, ARTH 270, or ARTH 290, or faculty consent.

Description: This course studies twentieth-century Chinese art and architecture through major artists and architects whose work showcases the rethinking of Chinese culture in the modern era and global context.

Note: May be used to satisfy the Period/Area 3 requirement.

Note: Cross-listed with ARTH 335.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 331. Chinese Art **3 Units**

Prerequisite(s): ARTH 250, ARTH 270, or ARTH 290, or consent of instructor.

Description: An introduction to important Chinese artistic works and stylistic changes through history and their relationships with Chinese society, culture and visual traditions.

Note: Cross-listed with ARTH 331.

Note: May be used to satisfy the Period 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 333. Contemporary China **3 Units**

Term Typically Offered: Occasionally Offered

Description: Discussion of China today, including popular culture, technology, mass media, folk theater, urban consumer culture, and state policy.

Note: Cross-listed with CHST 333.

Note: Conducted in English.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 335. China Through Film - AH, D2 **3 Units**

Term Typically Offered: Fall Only

Description: Examination of 20th-century China through the critical study of selected examples of film.

Note: Conducted in English.

Note: Cross-listed with CHST 335.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 337. East Asia Landscape Art **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): ARTH 250, ARTH 270, or ARTH 290, or consent of instructor.

Description: The course explores the traditions of Chinese and Japanese landscape art and design from the beginning phase around the first century until early 20th century.

Note: Cross-listed with ARTH 337.

Note: May be used to satisfy the Period 3 - Non-Western requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 340. South Asian Religious Thought and Culture - AH, D2 **3 Units**

Term Typically Offered: Occasionally Offered

Description: Study of Hinduism, Jainism, Buddhism, and Sikhism and their interrelationship with cultures of South Asia (India, Sri Lanka, and Pakistan).

Note: Cross-listed with HUM 341.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 341. Ethnicity and Religion in China **3 Units**

Term Typically Offered: Occasionally Offered

Description: Study of the minority peoples such as Uigurs, Huis, Mongols and Tibetans, including their life styles, languages, art, and religion.

Discussion of how Buddhism, Islam, Christianity and other religious beliefs spread in China, and their presence in China today.

Note: Cross-listed with CHST 341.

Note: Conducted in English.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 343. East Asian Religious Thought and Culture - AH, D2 **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): Sophomore standing.

Description: Study of Confucianism, Taoism, Buddhism, and Shinto and their relationships with the cultures of China, Korea, and Japan.

Note: Cross-listed with HUM 343.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 347. Global Capitalisms **3 Units**

Term Typically Offered: Occasionally Offered

Description: The course adopts an interdisciplinary approach to explore how capitalism is organized, practiced, or resisted. It seeks to understand capitalism as historically situated and culturally informed practices in different world regions.

Note: Cross-listed with ANTH 347.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 351. Chinese Literature in Translation I - AH, D2 **3 Units**

Term Typically Offered: Occasionally Offered

Description: Chinese literature from the beginning to 1911, discussion of principal genres, authors, and works. Conducted in English.

Note: Cross-listed with CHST 351.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>AST 365. The People's Republic of China - WR 3 Units Term Typically Offered: Fall, Spring Description: An analysis of political processes in China, with emphasis on participation and recruitment, socialization, ideology, education and organization. Note: Cross-listed with POLS 365. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AST 397. Traditional China 3 Units Term Typically Offered: Occasionally Offered Description: This course studies the political, social and economic history of China from Shang dynasty to the intrusion of the West (1700 BC-1800 AD) Note: Cross-listed with HIST 397.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AST 366. Politics of East Asia 3 Units Term Typically Offered: Fall Only Description: A survey of East Asian political systems with an emphasis on development, social and economic policies, political institutions and cultures. Note: Cross-listed with POLS 366.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AST 398. Modern China 3 Units Term Typically Offered: Fall Only Prerequisite(s): HIST 101 or HIST 102. Description: From Confucianism to Communism in China: society, economy and politics, 1600 to the present. Note: Cross-listed with HIST 398.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AST 367. Politics and Government of Southeast Asia 3 Units Term Typically Offered: Occasionally Offered Description: An introduction to the government and politics of Southeast Asia, revealing the historical context within which to locate the current security, political and economic challenges that the countries of the region face. Special focus will be given to the politics of Burma, Indonesia, Malaysia, the Philippines, Thailand, and Singapore as well as the impact of the ascendant China. Note: Cross-listed with POLS 367.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AST 399. Modern Japan 3 Units Term Typically Offered: Occasionally Offered Description: This course reviews Japanese history from the Yamato state to the collapse of the bubble economy (500-1900s). We first examine how Japanese native culture and government interplayed with imported elements from China and Korea, forming its own distinctive political structure and society in the Tokugawa era (1600-1868). We focus on Japan's modern experiences-state-led nationalism and modernization since Meiji restoration, investigating how Western influence transformed Japanese state, society, culture, and values. We explore the origin, development, and the defeat of Japanese imperialism and militarism, analyzing how race, gender, and nationalities were constructed and manipulated within Japanese empire in the wartime era (1931-45). Finally we examine postwar Japanese democracy and economic prosperity. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AST 390. Topics in Asian Studies-Humanities 3 Units Term Typically Offered: Fall, Spring Description: Selected topics in Asian studies from a humanities perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AST 491. Independent Study 1-3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Minimum grade point average of 3.0 overall, minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AST 391. Topics in Asian Studies-Social Sciences 3 Units Term Typically Offered: Occasionally Offered Description: Selected topics in Asian Studies from a social science perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>AST 495. Senior Seminar - CUE 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Completed 90 hours, Asian studies majors only, and consent of instructor. Description: Will examine issues related to area studies methods, empirical knowledge of Asian countries, and Asian language skills. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>AST 396. History of India 3 Units Term Typically Offered: Occasionally Offered Description: Introduction to the history of the Indian subcontinent since the foundation of the Indus Valley civilization. Role of political, intellectual, social and economic change in the creation of modern India, Pakistan and Bangladesh. Note: Cross-listed with HIST 396.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

AST 500. Topics in Asian Studies-Humanities**3 Units**

Description: Selected topics in Asian studies from a humanities perspective.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 501. Topics in Asian Studies-Social Sciences**3 Units**

Description: Selected topics in Asian studies from a social science perspective.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 517. Anthropology of China**3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): Graduate standing or permission of the instructor.

Description: It is widely acknowledged that China is a rising power in the global political economy. However, with the coexistence of tradition and modernity, the nature of Chinese culture and society remains heavily debated. This course explores a wide range of topics and issues that constitute the socio-cultural fabric of contemporary mainland Chinese society. These topics include, but are not limited to, family, gender, ethnicity, religion, education, politics, and economics. Our investigation will focus on two broad themes: 1) the unity and diversity of Chinese society, and 2) the continuity and change that took place from late traditional China to the present. The goal of this course includes learning various aspects of Chinese culture and society, studying diverse anthropological approaches to the study of China, and examining the political dimensions of representation.

Note: Cross-listed with ANTH 517.

Note: Students may not receive credit for this course and ANTH 317 or AST 317.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 531. Studies in Asian Art**3 Units**

Prerequisite(s): One 300-level course in Asian art, or consent of instructor.

Description: Select topics that examine the development of art and architecture in the context of social and cultural history of China and Japan.

Note: Cross-listed with ARTH 531.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

AST 598. Nationalism and Modernity in East Asia**3 Units**

Description: The creation of modern nation-states in China, Japan, and Korea from 1840 to 1945.

Note: Cross-listed with HIST 598.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Biochemistry (BIOC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

BIOC 545. Biochemistry I**3 Units**

Description: Chemistry of amino acids, peptides, proteins, nucleotides and nucleic acids; methods of analysis and laboratory synthesis; nucleotides; RNA, DNA and protein biosynthesis.

Note: Credit may not be earned in both BIOC 545 and BIOC 645.

Note: Credit may not be applied toward an advanced degree in Chemistry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOC 547. Biochemistry II**3 Units**

Prerequisite(s): BIOC 545.

Description: Cellular metabolism of carbohydrates, lipids, amino acids and biomembrane phenomena, enzyme properties, kinetics, and control mechanisms; ligand binding.

Note: Credit may not be earned in both BIOC 547 and BIOC 647.

Note: Credit may not be applied toward an advanced degree in Chemistry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Bioengineering (BE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>BE 101. Introduction to Bioengineering 1 Unit Term Typically Offered: Spring Only Description: Survey of the field of bioengineering and introduction to art/practice of bioengineering, through a series of creative, hands-on design and reverse engineering activities. Includes problem definition/solving, decision making and team skill building. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 340. Computational Methodologies in Bioengineering 3 Units Term Typically Offered: Summer Only Prerequisite(s): ENGR 205. Description: The main goal of the course is to introduce students to high-performance computing tools which are crucial to many bioengineering and scientific applications and equip students with basic knowledge of state-of-the-art computing tools available. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 288. Bioengineering Co-op Education Seminar 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 201; BE 310 (or concurrent) and BE 360 (or concurrent). Description: Discussion of rules and regulations governing cooperative internship experience and instruction in job interviewing techniques, resume preparation and in preparation of co-op report. Required prerequisite for the first cooperative internship. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 354. Anatomy and Physiology 3 Units Term Typically Offered: Spring Only Prerequisite(s): BIOL 240. Description: The purpose of this course is to cover the basic structure and function of the major systems of the human body. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 289. Bioengineering Co-op Education I 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BE 288. Description: First cooperative education work term in an area directly related to the field of specialization of their degree program. Required for Professional School of Engineering students. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 359. Cell and Molecular Biology for Bioengineers 3 Units Term Typically Offered: Spring Only Prerequisite(s): BIOL 240. Description: This course examines the fundamental principles of cell and molecular biology in humans. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 310. Biotransport Phenomena 3 Units Term Typically Offered: Spring Only Prerequisite(s): ENGR 205, ME 206, and ME 251. Description: Introduction to fundamental concepts of momentum, heat, and mass transport with applications to biological and medical engineering science and design. Properties of biofluids. Conservation equations in integral and differential forms. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 360. Biomechanics Principles 3 Units Term Typically Offered: Spring Only Prerequisite(s): ENGR 205 and CEE 205. Description: Introduction to the mechanical behavior of biological tissues and systems. Methods for the analysis of rigid body and deformational mechanics applied to biological tissues including bone, muscle, and connective tissues. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 322. Circuits and Devices for Bioengineers 3 Units Term Typically Offered: Summer Only Prerequisite(s): PHYS 299 and ENGR 201; BE Students only. Description: Concepts covered: DC/AC circuit theory. Linear network analysis. Impedance. Resonance. Solid-state devices. Integrated circuits. Op-amps. Electrical safety. RC filters. Sensors. Batteries. Data Acquisition. Software covered: LabVIEW. T-Spice. Multisim. Ultiboard. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 389. Bioengineering Co-op Education II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BE 289. Description: Second cooperative education work term in an area directly related to the field of specialization of their degree program. Required for Professional School of Engineering students. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>BE 405. Practicum in Bioengineering Education 1 Unit Term Typically Offered: Spring Only Prerequisite(s): BE 310 and BE 360 and consent of instructor. Description: A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes field experience as an undergraduate teaching assistant. Permission to enroll required. May be repeated for a maximum of 3 credit hours. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 460. Biomechanics of Tissues and Organs 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 360 and BE 354. Description: Provide students with introductory materials for various interdisciplinary fields in biomechanics. The topics include orthopaedic biomechanics, musculoskeletal biomechanics and cardiovascular biomechanics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 420. Biosystems & Signals 3 Units Term Typically Offered: Spring Only Prerequisite(s): BE 340. Description: This course covers linear systems theory, including convolution, Fourier, Laplace, and Z-transforms. The emphasis is on understanding the underlying mathematics in a practical sense. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 480. Biomedical Device Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): BE 423 (or concurrent) and BE 450 (or concurrent). Description: Medical device design for surgery, patient care and patient monitoring. Emphasizes design criteria and process, human factors, patient care, bench-top testing, safety, FDA regulation, market readiness and legal liability. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 423. Bioengineering Measurements Laboratory 2 Units Term Typically Offered: Spring Only Prerequisite(s): BE 322. Description: Laboratory to illustrate basic principles taught in Circuits and Devices for Bioengineers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 489. Bioengineering Co-op Education III 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BE 389. Description: Third cooperative education work term in an area directly related to the field of specialization of their degree program. Required for Professional School of Engineering students. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 430. Biosystems Controls 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 322, ENGR 330 and BE 420. Description: Classical approach to analyze and design linear and nonlinear control systems, with emphasis on nonlinearity of physiological control systems, e.g., neuromusculoskeletal, cardiovascular, thermal and mass transfer systems of the body. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 491. Economics, Ethics & FDA Regulations 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 423 and BE 450; Senior standing in Bio-engineering. Corequisite(s): BE 497. Description: Applies methods of engineering economic analysis, ethics, and FDA regulation processes. Methods to identify, articulate and resolve ethical dilemmas intrinsic to bioengineering. Practical "hands-on" experiences in the application of economic concepts and FDA regulations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 450. Biomaterials & Biocompatibility 3 Units Term Typically Offered: Summer Only Prerequisite(s): CHEM 341, ME 251 and BE 360. Description: Introduces biomaterials and the clinical relevance of biomaterial performance. The course will cover polymer synthesis, characterization, mechanical testing, surface modification and biocompatibility issues, e.g. protein adsorption, immune response, and sterilization. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>BE 453. Introduction to Molecular Bioengineering 3 Units Term Typically Offered: Fall Only Prerequisite(s): CHEM 341 and BE 359. Description: Demonstrate how molecules are used as building blocks to engineer surfaces and materials with specific attributes/function. Introduces biomimetic design principles for biomedical materials and devices to control performance/function of materials. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>BE 497. Bioengineering Design Project - CUE 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 354 and Senior standing in bio-engineering. Corequisite(s): BE 491. Description: Team-oriented design of a biomedical/biological mechanism, system or process satisfying a set of open-ended requirements. Written reports and oral presentations are required. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 540. Machine Learning in Medicine 3 Units Term Typically Offered: Spring Only Prerequisite(s): BE 420. Description: Topics: 1) fundamentals of medical data, 2) application of machine learning models & algorithms to medicine, 3) learning from data & classification of disorders, and 4) overview of health data, collection with sensors, body area networks, brain image data and other publicly available medical applications data. Students will learn about machine learning applications to real world medical data through examples and reading papers. Students are expected to work on a team project and write technical reports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 500. Special Topics in Bioengineering 3 Units Term Typically Offered: Fall, Spring, Summer Description: This course will be devoted to topics that usually are not treated in detail in the general curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 542. Medical Image Computing 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BE 340 and BE 420. Description: Fundamentals of 2-D and 3-D image computing, application of image computing algorithms to medical images, enhancement and restoration of 2-D and 3-D medical data, and fundamentals of machine vision and medical data visualization. Students will learn image restoration, computer vision and visualization techniques with applications to medical data through examples and reading papers. Students are expected to work on a team project and write technical reports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 522. Biomedical Acoustics 3 Units Term Typically Offered: Spring Only Prerequisite(s): BE 420. Description: An introduction to the fundamental principles of physical acoustics with an emphasis on biomedical applications. Major concepts covered include acoustic wave physics, transducers, and ultrasound imaging. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 551. Gene and Drug Delivery 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 354 and BE 450, or graduate standing. Description: This course covers advanced topics of gene and drug delivery, including the physiological barriers and challenges to delivery, biomaterials used in delivery, considerations for specificity of drug/gene targeting, nanoscale delivery vehicles, the delivery of biologics and vaccines, and intracellular delivery. In addition, this course integrates literature and discussion regarding specific platform design and delivery considerations against cancer, viral, and bacterial applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BE 524. LabVIEW for Bioengineers 3 Units Term Typically Offered: Fall Only Prerequisite(s): BE 340 or equivalent. Description: This course will introduce students to an intermediate level of LabVIEW (Laboratory Virtual Instrument Engineering Workbench) available from National Instruments (Austin, TX). LabVIEW is the worldwide industry standard graphical programming environment for developing data acquisition, instrument control, and industrial automation software. Students will explore core programming fundamentals common to all programming languages by using LabVIEW software to develop independent programs and data acquisition solutions using a combination of LabVIEW, data acquisition hardware, and standard test instrumentation hardware. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BE 552. Introduction to Tissue Engineering 3 Units Term Typically Offered: Spring Only Prerequisite(s): CHEM 341, BE 354, BE 359, and BE 450. Description: Design, development and clinical application of tissue engineered components, including blood vessels, bone, cartilage, pancreas, liver and skin, for use in the human body. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

BE 553. Nanoscale Bioengineering: Application and Methodology of Nanobiomaterials in Bioengineering 3 Units**Prerequisite(s):** BE 450 or BE 453 or permission of department chair.**Description:** An introduction to the fundamental principles of nanoengineering with a focus on 1) synthetic methodologies of tailored nanobiomaterials (physical, chemical and electrochemical); 2) nanobiomaterial characterization using advanced analytical, microscopic and spectroscopic techniques; and 3) therapeutic and diagnostic applications.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BE 581. Advanced Computer Aided Design and Manufacturing for Bioengineers** 3 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** BE 340 or by permission of Department Chair.**Description:** An introduction to the engineering design and manufacturing processes for bioengineering applications with an emphasis on the use of modern computer-based analysis, design and presentation tools as well as manufacturing techniques such as casting, machining, forming and assembly for polymer and metal-based materials.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BE 593. Independent Study in Bioengineering** 1-4 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** Faculty consent.**Description:** A theoretical or experimental investigation of a problem area related to Bioengineering.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Biology (BIOL)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

BIOL 102. Biology: Current Issues and Applications - S 3 Units**Term Typically Offered:** Fall, Spring, Summer**Description:** Selected topics from the biological sciences that focus on high-profile issues in biological sciences and their socio-scientific applications.**Note:** May fulfill general education natural science requirement but does not count toward biology major or minor.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 104. Laboratory for Biology: Current Issues and Applications - SL** 1 Unit**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** Completion of or concurrent enrollment in BIOL 102.**Description:** Hands-on laboratory experience for students not majoring in the sciences. Labs are designed to develop skills in scientific methodology, observation and critical thinking.**Note:** Does not count toward biology major or minor.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 203. Scientific Information Literacy and Communication - OC** 3 Units**Term Typically Offered:** Spring Only**Description:** To improve oral communication skills that transfer across disciplines; to fulfill a general education oral communication requirement with a course that has science-intensive content; to improve student skills in critically assessing scientific claims; and to introduce students early in their programs to work of potential research mentors.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 240. Unity of Life - S** 3 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** ACT score of 24 or better on the sciences section; SAT math score of 540 or higher; completion with a passing grade or enrollment in BIOL 102 (or department approved equivalent) in prior semester; Biology placement test score of 10 or better; or completion with a passing grade or enrollment in BIOL 242 in prior semester.**Description:** Basic biological principles; macromolecules, biology of cells, metabolism, genetics, and evolution.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 242. Diversity of Life - S** 3 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** ACT score of 24 or better on the sciences section; SAT math score of 540 or higher; completion with a passing grade or enrollment in BIOL 102 (or department approved equivalent) in prior semester; Biology placement test score of 10 or better; or completion with a passing grade or enrollment in BIOL 240 in prior semester.**Description:** Taxonomy and classification, form and function of monerans, fungi, protists, plants and animals; survey of ecology.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 244. Principles of Biology Laboratory - SL 2 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Successful completion of BIOL 240 and completion of, or concurrent enrollment in BIOL 242; or completion of BIOL 242 and completion of, or concurrent enrollment in, BIOL 240.

Description: A comprehensive laboratory in Biology involving experiments at the cellular/genetics level through organismic diversity. An emphasis is placed on critical analysis of scientific data through application of the scientific method.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 257. Introduction to Microbiology - S 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): BIOL 102 or BIOL 240, or equivalents; and CHEM 105 or CHEM 201 (CHEM 101 accepted for Dental Hygiene students only).

Description: Survey of microorganisms including structure-function relationships, growth and its control, metabolism and genetics. Diversity will be discussed with emphasis on infectious diseases, epidemiology, and basic immunology.

Note: Does not count towards biology major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 258. Introduction to Microbiology Laboratory - SL 1 Unit

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Completion of or concurrent enrollment in BIOL 257.

Description: The introductory microbiology laboratory teaches students basic microbiological techniques that are necessary to study and safely handle microorganisms and their viruses. Because this course relies on participation, attendance will be included in the evaluation.

Note: Does not count toward biology major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 260. Human Anatomy & Physiology I 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): BIOL 102 or BIOL 240 or equivalent with a grade of C or better and completion of CHEM 101 or CHEM 105 with a grade of C or better; restricted to students in the Nursing and Dental Hygiene programs.

Description: A general introduction to structure and function of the human body. Basic concepts related to anatomical terminology, cells, tissues, and integumentary, the skeletal, muscular, nervous, and endocrine systems are covered. Interrelationships of organ systems are also emphasized.

Note: This course is intended for students majoring in nursing or dental hygiene.

Note: Does not count toward a biology major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 261. Human Anatomy & Physiology II 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): BIOL 260 with a grade of C or better; restricted to students in the Nursing and Dental Hygiene programs.

Description: A general introduction to structure and function of the human body. Basic concepts related to anatomical terminology, cells, tissues, and integumentary, the skeletal, muscular, nervous, and endocrine systems are covered. Interrelationships of organ systems are also emphasized.

Note: Does not count toward biology major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 262. Human Anatomy & Physiology Lab 1 Unit

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Completion of BIOL 260 with a grade of C or better and concurrent enrollment in BIOL 261.

Description: A study and correlation between the anatomy and physiology of selected organ systems.

Note: Does not count towards biology major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 263. Environmental Biology - B 4 Units

Term Typically Offered: Fall, Spring, Summer

Description: A study of the biological principles of environmental effects on living organisms; emphasis on ecological relationships of humans, including resource exploitation, pollution, environmental degradation, and human behavior. Includes laboratory and field components.

Note: Does not count toward biology major or minor.

Note: Students who have already received credit for BIOL 363 may not receive credit for this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 300. Plant Biology - WR 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): BIOL 240 and BIOL 242.

Description: This course examines the biology of plants and other organisms with cell walls (including bacteria, fungi, protists, and algae). These distantly related organisms include primary producers that energize the biosphere, decomposers that recycle nutrients and economic species that provide most of humanity's food, fiber and medicine. As part of the course content, students compose an original manuscript based on in-class experiments. This manuscript includes a literature review. Students submit this manuscript as a draft, receive comments, and then revise their final version based on those comments.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>BIOL 304. Plant Taxonomy & Ecology - WR Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 240, BIOL 242 and BIOL 244. Description: Introduction to the principles and methods of identifying, naming, and classifying plants. Focus on ecologically significant plants of North America and Kentucky, and discussion of the importance of specific species in maintaining ecosystem structure and function. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 347. Comparative Vertebrate Anatomy Term Typically Offered: Spring Only Prerequisite(s): BIOL 240, BIOL 242, and BIOL 244. Description: Phylogeny and comparative morphology of classes of vertebrates; structure and organ systems of lamprey, shark, and cat. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>BIOL 308. Vertebrate Zoology Term Typically Offered: Fall Only Prerequisite(s): BIOL 240, BIOL 242, and BIOL 244. Description: Explores the anatomy, ecology, and behavior of vertebrates from an evolutionary perspective. Laboratory work centers on anatomy and includes species identification, data collection, analysis, and presentation activities.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 350. Biostatistics Term Typically Offered: Fall, Spring Prerequisite(s): MATH 180 or MATH 205. Description: A survey course of statistical procedures commonly used in the life sciences. It is taught at an introductory level and will focus on the application of statistical procedures to data. Note: This lecture course is supplemented with a separate recitation section.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 310. Animal Behavior Term Typically Offered: Fall Only Prerequisite(s): BIOL 240, BIOL 242 and BIOL 244. Description: Survey of the field of animal behavior. Topics include communication, learning, mate choice, fighting and aggression, and mating systems.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 357. General Microbiology Term Typically Offered: Fall, Spring Prerequisite(s): CHEM 202; BIOL 329 or BIOL 330. Description: A comprehensive discussion of prokaryotic and eukaryotic microorganisms and their viruses including their diversity, structure-function relationships, growth and its control, metabolism and genetics and ecology.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 329. Cellular and Molecular Biology Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BIOL 240, BIOL 242, and CHEM 201. Description: Processes at the molecular and cellular levels integrated with the science of biology and biodiversity.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 358. Microbiology Laboratory Term Typically Offered: Fall, Spring Prerequisite(s): BIOL 357 (or concurrent) or BIOL 485 (or concurrent). Description: Discussion and exercises using basic and advanced microbiological laboratory techniques.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>BIOL 330. Genetics and Molecular Biology Term Typically Offered: Fall, Spring Prerequisite(s): BIOL 329. Description: Genetics presented from a Mendelian to a molecular point of view.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 359. Microbial Genetics and Pathogenesis - WR Term Typically Offered: Spring Only Prerequisite(s): BIOL 330 and BIOL 357 recommended. Description: A literature-based introduction to current microbial genetics and pathogenesis. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 331. Genetics and Molecular Biology: Laboratory Term Typically Offered: Fall, Spring Prerequisite(s): BIOL 330 (or concurrent). Description: The laboratory portion of BIOL 330 with exercises in genetics, cellular, and molecular biology.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>BIOL 363. Principles of Ecology Term Typically Offered: Fall, Spring Prerequisite(s): BIOL 240, BIOL 242, and BIOL 244. Description: A majors' core course providing an overview of the basic principles and concepts of Ecology and an understanding of how those principles and concepts can aid in identifying and seeking solutions for human environmental problems.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>BIOL 372. Evolutionary Ecology of Disease Term Typically Offered: Fall Only Prerequisite(s): BIOL 240, BIOL 242, or consent of instructor. Description: An overview of genetic, parasitic, and environmental causes of disease; topics include evolution of virulence and antibiotic resistance, emerging diseases, and options for controlling disease. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 391. Special Topics in Biology - WR Term Typically Offered: Occasionally Offered Description: Topics to be indicated in the Schedule of Courses. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>1-4 Units</p>
<p>BIOL 382. Entomology Term Typically Offered: Fall Odd Years Prerequisite(s): BIOL 363. Description: Examination of the morphology, physiology, behavior, evolution and ecology of the major groups of insects. A collection of common insect families is required. The laboratory will include observations on live and preserved animals and possible field trips. Students will learn to: 1) use terms and concepts that describe the diversity of insects, 2) compare and contrast major insect groups with respect to structure and function, and 3) collect and prepare museum-quality specimens for scientific study. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>BIOL 392. Microbes and Core Concepts in Ecology and Evolution - WR Prerequisite(s): BIOL 357, BIOL 363, or BIOL 409. Description: Core concepts in ecology and evolution using microbes as primary examples. Students will read primary scientific literature and write scientific reviews of the literature in order to enhance their understanding of these concepts. Note: Approved for the Arts and Sciences upper-level requirement for written communication (WR).</p>	<p>3 Units</p>
<p>BIOL 388. Biology Honors Seminar Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor and completion of BIOL 240 and BIOL 242 with a minimum grade of B. Description: A 1-credit seminar course to introduce sophomores to undergraduate research opportunities at UofL with the purpose of finding a laboratory in which to do an honors thesis project by junior year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>BIOL 395. Basic Pharmacology Term Typically Offered: Spring Only Prerequisite(s): BIOL 260, BIOL 261, BIOL 465, or consent of instructor. Description: Students will gain knowledge of the properties and actions of pharmacological agents. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 389. Undergraduate Seminar Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Undergraduate seminar in varied aspects of biology; subject to be announced in the schedule of courses. Note: No more than 2 hours of BIOL 389 may be counted toward the major in biology.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>BIOL 396. Preview to Dentistry Term Typically Offered: Spring Only Prerequisite(s): BIOL 329 and BIOL 330 or equivalent, and consent of instructor. Description: This course is designed for pre-dental students and students considering dentistry as a career. The purpose of the course is to expose pre-dental students to the art, science, and practice of dentistry. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>3 Units</p>
<p>BIOL 390. Special Topics Term Typically Offered: Fall, Spring Prerequisite(s): Biology core or faculty consent. Description: Special topics in biology. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>BIOL 400. Histology Term Typically Offered: Fall Only Prerequisite(s): BIOL 329 or consent of instructor. Description: The microscopic anatomy and function of vertebrate tissues and organs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>

<p>BIOL 401. Advanced Ecology 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 363. Description: Major concepts in evolutionary ecology. Theoretical and experimental studies of adaptation, population growth and regulation, competition, predation, diversity, life histories, and ecosystems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>BIOL 406. Undergraduate Research (WR) - CUE, WR 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Faculty and chair consent; minimum cumulative grade point average of 3.0 and completion of biology core. Description: Undergraduate Research in a select subject area with a student-selected faculty member. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS.</p>
<p>BIOL 402. Advanced Ecology Lab 2 Units Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 401 (or concurrently). Description: Field and laboratory experiments to investigate ecological principles. Discussion of research and practice of basic biostatistics and experimental design. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BIOL 404. Undergraduate Research 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Faculty and chair consent; minimum 30 credit hours; 3.0 cumulative GPA. Description: Undergraduate Research in a select subject area with a student-selected faculty member. Note: No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>BIOL 409. Evolutionary Biology - CUE 3 Units Term Typically Offered: Fall Only Prerequisite(s): BIOL 363 or consent of instructor. Description: A review of basic evolutionary principles and processes including speciation, natural selection, sexual selection, extinction, heritability, genetic drift, inbreeding, outbreeding, heterochrony and Darwinian medicine. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>BIOL 405. Undergraduate Research - CUE 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Faculty and chair consent. Description: Undergraduate Research in a select subject area with a student-selected faculty member. Note: No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>BIOL 410. Misuse of Biology in Film and Pop Culture 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 329, BIOL 330, and CHEM 341. Description: This course will examine how biology and themes in the biological sciences are portrayed in films and popular culture with a mind towards evaluating whether the science is appropriate or being misused. In the process of these analyses, we will explore such questions as: What is science and what is not? Also what is pseudo-science or bad science? For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

BIOL 415. Biology of the Cell - CUE, WR 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** BIOL 329 and BIOL 330.**Description:** Cellular, molecular, and biochemical aspects of cellular function.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 416. Biotechnology Methods - WR 4 Units**Term Typically Offered:** Occasionally Offered**Prerequisite(s):** BIOL 330, BIOL 331, and CHEM 344; and consent of instructor.**Description:** Designed for Biology and Chemistry students concentrating in Genetics/Subcellular. Provides hands-on experience with basic methods used in molecular biology, including but not limited to, agarose and polyacrylamide gel electrophoresis of nucleic acids and proteins, restriction digestion of DNA, Southern and Northern hybridization, PCR, DNA sequencing, and transformation of various cell types (including bacteria, fungi, plants, insects and vertebrates).**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 430. Undergraduate Teaching Assistant - CUE 3 Units**Term Typically Offered:** Fall, Spring**Prerequisite(s):** BIOL 240, BIOL 242, BIOL 244, BIOL 329, BIOL 330 and BIOL 331; CHEM 341; minimum Junior standing; Biology major; 3.25 GPA in major; permission of instructor.**Description:** A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes a field experience as an undergraduate teaching assistant. 2.5 GPA in major to be eligible.**Note:** Majors only, permission to enroll required, minimum cumulative 3.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 435. Chemical Ecology - WR 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** BIOL 240, BIOL 242, and CHEM 201.**Description:** This course will explore the remarkable world of chemical ecology. Where ecological outcomes between or among individuals are influenced or determined directly or indirectly by chemicals produced by individuals. A key focus will be the chemical ecology of plants. Though we will also explore chemical ecology in animals as well. Considerable ecological information is derived from chemicals produced by organisms both to other members of the same species or to a different species, and affect both natural and sexual selection. We will use an interactive discussion/seminar-style to interrogate the primary literature for current knowledge of how chemical cues influence a diverse array of ecological interactions. From the African savannas to galling insects in our own backyard. Students will have flexibility to choose their own research topics to pursue focused critical thinking and hypothesis generation. Discussions will span a range of disciplines including genetics, molecular biology, biochemistry, natural products, ecology, and evolution. As such, this course is intended for students who have some prior knowledge of ecology and/or biochemistry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 440. Global Change Ecology - CUE 3 Units**Term Typically Offered:** Fall Only**Prerequisite(s):** BIOL 363, GEOS 363, or GEOS 365; or permission of instructor.**Description:** Human causes of global-scale changes in climate, air and water resources, and biodiversity, and impacts on people; approaches to addressing these problems that promote sustainable societies.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 443. Developmental Biology - CUE, WR 3 Units**Term Typically Offered:** Occasionally Offered**Prerequisite(s):** BIOL 329 and BIOL 330.**Description:** Developmental biology approached from a biochemical, cellular, and anatomical perspective with emphasis on vertebrate systems.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 465. Principles of Physiology**3 Units****Term Typically Offered:** Spring Only**Prerequisite(s):** BIOL 329 or consent of instructor.**Description:** A general study of the functions of organ systems in vertebrates.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 480. Introduction to Immunology - WR****3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** BIOL 240, BIOL 242, BIOL 329 and BIOL 330; CHEM 201 and CHEM 202 or their equivalent.**Description:** Lectures will present the basic principles of immunology, with an emphasis on reading and understanding primary literature. Topics include cells and organs of the immune system, the innate and adaptive response, effector molecules, and diseases of the immune system.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 485. Microbial Physiology - CUE, WR****3 Units****Term Typically Offered:** Fall Only**Prerequisite(s):** BIOL 357 or BIOL 540; or permission of the instructor.**Description:** An explanation of microbial cell biology and the processes, reactions, and energetics that support microbial life in a variety of circumstances. Includes discussions of how to modify those metabolic properties to meet new demands and conditions. A general understanding of the fundamental concepts of organic chemistry is strongly recommended.**Note:** Approved for the Arts and Sciences upper-level requirement in communications (WR).**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 490. Biology Internship - CUE****3 Units****Term Typically Offered:** Fall, Spring**Prerequisite(s):** Junior standing, 2.5 GPA, and consent of instructor.**Description:** Practical work experience in biological fields.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 501. Independent Study****1-3 Units****Prerequisite(s):** Faculty consent, minimum cumulative GPA of 3.0, and completion of biology core.**Description:** Independent study in a selected subject area with a student-selected faculty member.**Note:** No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS.**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 502. Independent Study****1-3 Units****Prerequisite(s):** Faculty consent, minimum cumulative GPA of 3.0, and completion of biology core.**Description:** Independent study in a selected subject area with a student-selected faculty member.**Note:** No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS.**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**BIOL 504. Independent Study - WR****1-3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** Faculty consent, minimum cumulative GPA of 3.0, and completion of the Biology core.**Description:** Independent study in a selected subject area with a student-selected faculty member.**Note:** No more than 6 hours of Undergraduate Research (BIOL 404, BIOL 405 or BIOL 406 WR) or Independent Study (BIOL 501, BIOL 502 or BIOL 504 WR) may be used to meet the minimum in Biology for the BA or BS.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>BIOL 510. Behavioral Ecology Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 363. Description: Evolution of behavioral adaptations for survival and reproduction; topics will include foraging, aggression, mate choice, mating strategies, and sociality. Note: Credit may not be earned for both BIOL 510 and BIOL 610.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 519. Ichthyology Prerequisite(s): BIOL 363. Description: Introduction to anatomy, physiology, ecology, distribution, economic importance, and classification of major groups and representative local species of fish. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 511. Behavioral Endocrinology - CUE, WR Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 465. Description: Interactions of hormones, brain, behavior. Note: Credit may not be earned in both BIOL 511 and BIOL 611. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: Cross-listed with BIOL 611. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 522. Aquatic Ecology Prerequisite(s): BIOL 363. Description: Ecological processes in aquatic environments with primary emphasis on lakes and reservoirs. Note: Credit may not be earned in both BIOL 522 and BIOL 622.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>BIOL 512. Endocrinology Prerequisite(s): BIOL 465. Description: Chemical regulation in animals. Note: Credit may not be earned in both BIOL 512 and BIOL 612.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 540. Intermediary Metabolism Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 329 and CHEM 342. Description: An advanced study of metabolic pathways including synthesis of macromolecules (proteins, nucleic acids, lipids, carbohydrates), mechanisms of metabolic control and utilization of metabolic intermediates. Note: Credit may not be earned in both BIOL 540 and BIOL 640.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 514. Ornithology Prerequisite(s): BIOL 242 and BIOL 244, or consent of instructor. Description: Evolution, morphology, diversity, ecology, and behavior of birds. Lab stresses field identification of birds. Note: Credit may not be earned in both BIOL 514 and BIOL 614.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>BIOL 541. Medicinal Plant Biochemistry - CUE, WR Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 540, CHEM 445, CHEM 545, or BIOC 545. Description: A detailed study of biosynthesis and bioactivity of specialized plant metabolites (secondary metabolites). Topics will include aspects of general plant metabolism as well as specialized metabolism pathways (alkaloids, terpenes and phenolics) and will include a survey of approaches as they relate to discovery of bioactive plant metabolites and a review of known plant metabolites used to treat human diseases/disorders. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>BIOL 515. Environmental Physiology Term Typically Offered: Occasionally Offered Prerequisite(s): BIOL 240, BIOL 242 and BIOL 244 (or equivalent); or permission of department. Description: Study of the physiological, morphological, behavioral and biochemical responses by eukaryotic organisms (primarily animals) to major physical and chemical factors of their environment. Note: Credit may not be earned in both BIOL 515 and BIOL 615.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>		

BIOL 542. Gene Structure and Function - WR 3 Units

Prerequisite(s): BIOL 330 or equivalent, or consent of instructor.
Description: Advanced topics in genetics of prokaryotes and eukaryotes, including chromosome structure and function, and gene regulation.
Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).
Note: Credit may not be earned for both BIOL 542 and BIOL 642.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 548. Experimental Design and Analysis - CUE 3 Units

Prerequisite(s): BIOL 350 or BIOL 651.
Description: Move principles of sound experimental design, analysis and presentation from recognition to active vocabulary. Students completing the course can serve as statistical consultants for moderately complex statistical designs.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 552. Evolutionary Medicine 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): BIOL 240, BIOL 242, BIOL 372, or BIOL 409, or equivalents.
Description: In-depth analyses at the interface of evolutionary biology and the health sciences using readings from the primary literature. Format involves lectures, discussion, and a library-based research project.
Note: Credit may not be earned in both BIOL 552 and BIOL 652.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 553. Chronic Disease Biology 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): BIOL 329 and BIOL 372.
Description: The course will cover the biological bases of chronic disease, with an emphasis on the mechanisms of disease causation and the evolution of these mechanisms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 555. Microbial Ecology 3 Units

Prerequisite(s): BIOL 357, or BIOL 485, or consent of instructor.
Description: Interrelationships between microorganisms and their environments.
Note: Credit may not be earned in both BIOL 555 and BIOL 655.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 560. Ecology of Urban and Suburban Landscapes 3 Units

Term Typically Offered: Spring Odd Years
Prerequisite(s): BIOL 363 or GEOS 365.

Description: Effects of cities and suburban sprawl on air and water chemistry, microclimate, fragmented landscapes, and responses of biotic and human communities to these conditions that degrade or promote urban resilience, adaptation and sustainability.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 562. Ecosystems Ecology 3 Units

Prerequisite(s): BIOL 363; an advanced ecology course recommended.
Description: The transformations of matter and energy that link plant, animal and geochemical cycles. Implications for resource management also discussed.

Note: Credit may not be earned in both BIOL 562 and BIOL 662.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 563. Population and Community Ecology 3 Units

Prerequisite(s): BIOL 363.
Description: Introduction to population dynamics and species interactions in aquatic and terrestrial ecosystems. Review of underlying ecological theory and its applications for conserving biodiversity.
Note: Credit may not be earned in both BIOL 563 and BIOL 663.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 567. Conservation Biology 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): BIOL 363 or permission of instructor.
Description: This course provides an overview of theory and practice of conservation. Topics include biodiversity, habitat loss, the effects of habitat changes on populations, and the design and establishment of reserves. Among other things, students will learn: 1) key terms and concepts related to biodiversity, 2) significant threats to biodiversity and efforts to mitigate them, and 3) practical and socioeconomic elements of conservation biology.
Note: Credit may not be earned for both BIOL 567 and BIOL 667.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 569. Evolution 3 Units

Prerequisite(s): BIOL 363.
Description: Offers a comprehensive overview of evolution and provides students with a review of issues that make up this critical discipline.
Note: Credit may not be earned in both BIOL 569 and BIOL 669.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 571. Selected Topics **3 Units**
Term Typically Offered: Occasionally Offered
Description: Contents to be indicated in schedule of courses.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 572. Selected Topics-Laboratory **1-4 Units**
Description: Contents to be indicated in schedule of courses.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 591. Biology for Teachers I **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): Experience in teaching biology or biological principles in elementary, middle or secondary school.

Description: Teaching pre-college biology with emphasis on curriculum content, laboratory procedures, and process skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 593. Experimental Cell Biology for Teachers **3 Units**
Prerequisite(s): BIOL 240, BIOL 242, BIOL 244, BIOL 329, BIOL 330, and BIOL 331 or equivalent; or consent of instructor.

Description: Lecture and lab activities focused on inquiry-based investigations at the cellular level suitable for secondary school classroom.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BIOL 594. Experimental Botany for Teachers **3 Units**
Prerequisite(s): BIOL 240, BIOL 242, BIOL 244, BIOL 329, BIOL 330, BIOL 331 or equivalent, or consent of instructor.

Description: This course is designed for pre-service and classroom teachers of the life sciences from elementary through high school. To increase teachers' abilities to teach sciences, especially botany, using inquiry-oriented strategies.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Business (BUS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

BUS 101. The Logic of Business **3 Units**
Term Typically Offered: Fall, Spring

Description: The course covers the basics of learning to think critically in a discipline, the basics of the business environment and the functional areas of business with a focus on applying critical thinking skills, and how the functional areas of business are integrated in a business organization.

Note: This course is restricted to students admitted to the College of Business.

Note: This course may not be used as an elective by College of Business students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BUS 201. Career Development **1 Unit**
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to College of Business, Sophomore standing, or permission of instructor.

Description: Introduces business students to career development, including the importance of career planning.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BUS 301. Business Communication **3 Units**
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Completion of Written Communication and Oral Communication General Education requirements.

Description: Students will learn to tailor messages to specific receivers in order to meet business goals. They will develop their ability to be professional, clear, concise, evidence-driven, and persuasive in communication interactions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BUS 399. Co-op in Business **1-3 Units**
Grading Basis: Pass/Fail

Prerequisite(s): Permission of instructor; students must be business majors.

Description: A new workplace experience in an approved position which offers a progression of learning at a level appropriate for practical application of classroom theory and tools.

Note: Application to the co-op program and completion of orientation processes should be accomplished prior to employment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

BUS 431. Honors Seminar in Business**Prerequisite(s):** Permission of business honors coordinator.**Description:** Interdisciplinary honors seminar. Topics vary. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**3 Units****BUS 441. Honors Seminar in Business****Term Typically Offered:** Spring Only**Prerequisite(s):** Permission of business honors coordinator.**Description:** Interdisciplinary honors seminar. Topics vary. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**3 Units****BUS 450. Business Applications****Prerequisite(s):** MGMT 301, MKT 301, FIN 301, and CIS 300.**Description:** Using an online simulation, students will make decisions using the various aspects of business (marketing, finance, production, etc.) to run a manufacturing business. The focus is on applying the business concepts learned in the business core classes.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**3 Units****BUS 490. Special Topics in Business****Term Typically Offered:** Fall Only**Prerequisite(s):** Junior standing or instructor permission .**Description:** A variety of topics in business will be studied. Course content will vary but the content will not duplicate current offerings. A student may take this for credit more than once as long as the same topics were not covered in the previous course.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**1-6 Units****BUS 499. Independent Study in Business****Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** Approval of Associate Dean for Undergraduate Programs.**Description:** Allows students to select a business subject for study that is not currently offered as part of the curriculum.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**1-3 Units**

Business Statistics (BSTA)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).**BSTA 301. Business Statistics****3 Units****Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** An ACT math score of 25 or completion of MATH 111.**Description:** Designed for students in Business and Economics, this course introduces them to the basic elements of probability and statistics, covers descriptive statistics, elements of probability theory, properties of discrete and continuous random variables, sampling estimation, hypothesis testing, analysis of variance and regression analysis. The application of these concepts to problem solving in business and economics is emphasized.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Campus Culture / Business (CAMP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).**CAMP 100. Campus Culture/Business Students****1 Unit****Term Typically Offered:** Fall, Spring**Prerequisite(s):** Admission to College of Business.**Description:** Introduction to the multiple dimensions of university life, with emphasis on business education. Students will gain an understanding of various parts of the University and the College of Business—the administration, the faculty, the learning resources, support services, extra-curricular activities—and how these parts contribute to the learning process and academic success.**Note:** Required of all beginning freshman and transfer students with fewer than 24 hours entering the College of Business; must be taken prior to completion of 18 hours as a COB student.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Chemical Engineering (CHE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings

may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CHE 205. Introduction to Chemical Engineering 3 Units

Term Typically Offered: Summer Only

Prerequisite(s): ENGR 101 and CHEM 202.

Corequisite(s): CHE 230.

Description: Overview of chemical engineering practice and basic principles; problem-solving techniques; open-ended problems and hands-on projects to introduce design concepts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 211. Chemical Engineering Thermodynamics I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ENGR 102 and CHEM 202.

Description: Development of first law, PVT behavior of pure fluids and heat effects, development of second law, thermodynamic properties of pure fluids, applications of first and second laws to realistic chemical engineering problems, conversion of heat and work-basic cycles.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 230. Computer Applications in Chemical Engineering 2 Units

Term Typically Offered: Summer Only

Prerequisite(s): ENGR 101 and CHEM 202.

Corequisite(s): CHE 205.

Description: Introduction to computer software relevant to solving ChE problems, development of computer solutions to selected problems involving thermodynamics, fluid dynamics, heat and mass transfer, and reactor design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 253. Materials Science 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CHEM 202.

Description: The properties of materials as reflected by the atomic and electronic structure of their constituent elements. Mechanical, thermal, electrical, magnetic, optical, and chemical characteristics of metallic, ceramic, polymeric, and composite solids.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 288. Chemical Engineering Cooperative Education Seminar 0 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Eligibility for admission to the Chemical Engineering Department, ENGR 102 or equivalent.

Description: Discussion of the policies and procedures for cooperative education; instruction in job search techniques, including resume preparation, forwarding letters, and behavioral interviewing. The student performance appraisal is explained, along with how to be successful in the workplace. The job market is discussed along with company descriptions. In addition the requirements for the Co-op Report are explained. Question and answer sessions with returning students and co-op employers are included. The student also receives training in the use of the University Career Services Management System. This seminar is a prerequisite for the first cooperative education term.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 289. Chemical Engineering Cooperative Education I 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 201, CHE 211, CHE 288, and CHE 305.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 305. Material and Energy Balances 4 Units

Term Typically Offered: Fall Only

Prerequisite(s): ENGR 102 and CHE 205.

Description: Stoichiometry, material balances, energy balances, combined material and energy balances for non-flow and flow systems. Problem solving and introduction of computer methods in chemical engineering. Career orientation. Open-ended problems introduce design concepts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHE 312. Chemical Engineering Thermodynamics II 3 Units

Term Typically Offered: Summer Only

Prerequisite(s): CHE 211.

Description: Fluid mixtures and mixed phase systems, basic vapor-liquid equilibrium (VLE), followed by theory and application of solution thermodynamics, chemical-reaction equilibrium; extension of phase equilibria to include liquid-liquid (LL), vapor-liquid-liquid (VLL), solid-liquid (SL), and solid-vapor (SV) systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CHE 331. Principles of Fluid Dynamics** 3 Units
Term Typically Offered: Summer Only
Prerequisite(s): CHE 305 and ENGR 201.
Description: Principles of momentum transfer; Newtonian and non-Newtonian behavior; friction factors and pressure drops in laminar and turbulent flow; design of piping systems and fluid metering devices; fluid moving machinery-types, characteristics and selection of pumps and compressors.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 351. Physical Chemistry** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): CHE 312.
Description: Correlation of molecular, physical and chemical phenomena to properties of matter and to common engineering situations. Topics include statistical thermodynamics, kinetics and surface chemistry, photochemistry and electrochemical systems.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 389. Chemical Engineering Cooperative Education II** 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGR 205, CHE 289, CHE 312, and CHE 331.
Description: Full-time technical work experience related to the student's academic program.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 401. Safety, Health and Environment** 1 Unit
Term Typically Offered: Summer Only
Prerequisite(s): CHE 305.
Description: A survey of the common regulations that Chemical Engineers deal with in the process industries, e.g., OSHA, RCRA, TSCA, etc. Overview of safety, health and environmental issues that Chemical Engineers in the process industries must consider.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 405. Practicum in Chemical Engineering Education** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CHE 253, CHE 305, and consent of the instructor.
Description: A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes field experience as an undergraduate teaching assistant. Permission to enroll is required.
Note: May be repeated for a maximum of 3 credit hours.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 430. Computer Applications in Chemical Engineering** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ENGR 205, CHE 312, and CHE 331.
Description: Computer solutions of selected problems involving thermodynamics, fluid dynamics, heat transfer, and reactor design. May include introduction to process simulators such as ASPEN PLUS, ChemCAD etc. Problems include modeling and design of piping networks, reactors, separation processes, etc.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 433. Principles of Heat and Mass Transfer** 4 Units
Term Typically Offered: Spring Only
Prerequisite(s): ENGR 205, CHE 312, and CHE 331.
Description: Fundamental mechanisms of heat transfer through conduction, convection and radiation and their correlation to the principles of mass transfer with applications to the design of heat exchange equipment as well as continuous and stage-wise mass transfer operations.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 436. Separation Operations** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHE 433.
Description: A study of mechanical and chemical separation operations based on the principles of momentum transfer and simultaneous heat and mass transfer. Both traditional and newer separation methods included. Component design is emphasized.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 441. Kinetics and Chemical Reactors** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): CHE 312 and CHE 331.
Description: Basic kinetics for batch reactors, including data analysis by integral and differential methods. Design of tubular and tank reactors for homogeneous reaction systems, including non-isothermal effects and product selectivity problems. Enzyme kinetics.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHE 461. Elements of Process Control** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ENGR 205 and CHE 436.
Description: Linear control theory and its application to the solution of process control problems. Design of control schemes.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CHE 471. The Strategy of Design 3 Units Term Typically Offered: Fall Only Prerequisite(s): CHE 401, CHE 433 and CHE 441. Description: The techniques and strategies of chemical process design. Technical factors, including synthesis paths, process synthesis, utilities, controls, instrumentation, safety, health and environmental issues, etc. and economic factors such as measures of profitability, time value of money, etc. are considered in developing flowsheets for a chemical process. A case-study approach is used. Computer techniques involving spreadsheets and simulators are used where applicable. Rewriting and editing of a series of written assignments is expected. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHE 494. Current Topics in Chemical Engineering 3 Units Prerequisite(s): Permission of instructor; varies depending on the topic. Description: Current topics and recent developments in the field of Chemical Engineering will be presented on an as-needed basis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHE 485. Unit Operations Laboratory I 2 Units Term Typically Offered: Fall Only Prerequisite(s): CHE 433. Description: Selected experiments covering the areas of fluid mechanics, momentum and heat transfer. Written technical communications covering experiments will be emphasized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHE 502. Biochemical Engineering 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): CHE 433 (or concurrent) and CHE 441 (or concurrent). Description: Engineering principles related to operations involving biological processes, e.g., fermentation. Basic microbiology and biochemistry; biochemical reaction mechanisms, kinetics, rate processes, and separation techniques. Applications to foods, pharmaceuticals, and waste treatment, including system design. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHE 486. Unit Operations Laboratory II 2 Units Term Typically Offered: Spring Only Prerequisite(s): CHE 436 and CHE 441. Description: Selected mass transfer experiments covering such areas as filtration, drying, distillation, evaporation, absorption, membrane separations, kinetics, fermentation, environmental concerns, etc. Written and oral technical communications covering the experiments will be emphasized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHE 503. Fundamentals of Engineering Examination Review 2 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 4th-year standing. Description: Review of topics covered on eight-hour NCEES Fundamentals of Engineering examination. Not to be counted towards meeting the requirements for a degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHE 489. Chemical Engineering Cooperative Education III 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CHE 389 and CHE 433. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHE 509. Environmental Processes and Systems 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 309 or CHE 401. Description: This course examines scientific and engineering aspects of environmental problems, stressing important issues, existing technical solutions and new solutions. The course presents engineering approaches to natural systems and describes techniques to treat/eliminate environmental problems. Note: Cross-listed with CEE 509. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHE 493. Undergraduate Research in Chemical Engineering 1-6 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Approval of a faculty sponsor. Description: Students will perform independent and guided research under the direction of a faculty member. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHE 520. Modeling and Transport Phenomena 3 Units Term Typically Offered: Spring Only Prerequisite(s): CHE 433 and CHE 441. Description: An introduction to the interrelationship of momentum, heat and mass transport focusing on the development of the equations of change through the use of shell balances and their relation to earlier courses in fluids, heat and mass transfer. Some focus will be placed on this using material in the modeling of basic chemical engineering systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

CHE 532. Advanced Material Science	3 Units	CHE 551. Polymer Science	3 Units
Term Typically Offered: Fall, Spring, Summer		Term Typically Offered: Fall, Spring, Summer	
Prerequisite(s): 90 or more credit hours.		Prerequisite(s): CHEM 341.	
Description: Advanced study of materials science. Topics may include the electronic and atomic structure of materials; properties characterized by electron motion; properties associated with atomic motion; applications and synthesis of fundamentals to several real problems; science of thin films; or other topics selected by the instructor.		Description: Introduction to polymer science and engineering. Polymer synthesis, kinetics, structure, and properties; commercial polymers; polymer processing; equipment design.	
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
CHE 533. Chemical Engineering Safety and Health	3 Units	CHE 562. Process Control Laboratory	1 Unit
Term Typically Offered: Fall, Spring, Summer		Term Typically Offered: Fall, Spring, Summer	
Prerequisite(s): 90 or more credit hours.		Prerequisite(s): CHE 461.	
Description: Overview of regulations and industrial practices, emphasizing chemical hazards, including: industrial hygiene, toxicology, controls and hazards analysis. Safety considerations in process design.		Description: A laboratory course demonstrating computer simulation and the characteristics of sensing and control devices and their interactions when incorporated into process control systems.	
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
CHE 534. Industrial Waste Management	3 Units	CHE 572. Plant Process and Project Design - CUE	3 Units
Term Typically Offered: Fall, Spring, Summer		Term Typically Offered: Spring Only	
Prerequisite(s): 90 or more credit hours.		Prerequisite(s): CHE 471.	
Description: A survey of regulations, generation, control and management of industrial wastes and environmental hazards: airborne, aqueous, solids and hazardous wastes. Course includes guest speakers, site visits and a term project. Design of waste treatment facilities.		Description: The design and economic evaluation of a chemical plant, from process definition and flow sheet construction to a cash position diagram and measures of profitability.	
Note: Cross-listed with CEE 534.		Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.	
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
CHE 535. Pollution Prevention	3 Units	CHE 574. Techniques of Research	3 Units
Term Typically Offered: Fall, Spring, Summer		Term Typically Offered: Fall, Spring, Summer	
Prerequisite(s): 90 or more credit hours.		Prerequisite(s): 90 or more credit hours.	
Description: Multimedia pollution prevention and waste minimization of hazardous and non-hazardous wastes and emissions: toxics use reduction; source reduction; reuse, reclamation and recycling; product life-cycle analysis; economic evaluation; assessments; planning and management.		Description: The design, analysis, and interpretation of experimental results to obtain the desired information within reasonable constraints of time and expense. Testing predictions and making reliable decisions utilizing graphical, numerical, and statistical techniques.	
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
CHE 550. Kinetics of Polymer Reactions	3 Units	CHE 581. Chemical Vapor Deposition and Processing	3 Units
Term Typically Offered: Fall, Spring, Summer		Term Typically Offered: Fall, Spring, Summer	
Prerequisite(s): CHE 441 and CHEM 341.		Prerequisite(s): CHE 253, CHE 441 and CHE 435 or the consent of the instructor.	
Description: Kinetic expressions are developed for several polymer reaction mechanisms including chain, step, ionic and emulsion reactions; copolymerization; polymer reaction engineering; molecular weight distributions; structural considerations; design considerations.		Description: Theoretical and experimental concepts involved with chemical vapor desposition and processing of advanced and nanomaterials.	
For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	
		CHE 593. Independent Study in Chemical Engineering	1-6 Units
		Term Typically Offered: Fall, Spring, Summer	
		Description: Independent research conducted with the approval and supervision of a faculty member.	
		For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)	

CHE 594. Special Topics in Chemical Engineering 3 Units**Term Typically Offered:** Fall, Spring, Summer**Description:** An examination of one or more specific areas of Chemical Engineering. Details announced each semester.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHE 595. Master of Engineering Seminar in Chemical Engineering 1 Unit****Grading Basis:** Pass/Fail**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** Fifth-year standing.**Description:** Presentation and/or discussion of topics of current interest.

This course is available to students enrolled in the professional school, division of higher studies or the Graduate School.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Chemistry (CHEM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CHEM 100. Elements of General Chemistry 3 Units**Prerequisite(s):** Completion of general education requirement in mathematics recommended.**Description:** The basic concepts of general and inorganic chemistry including an introduction to the periodic table, atomic and molecular structure, and chemical reactions and equilibria. This course is recommended as preparation for CHEM 201.**Note:** May not be counted toward major in Chemistry.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 101. Introduction to Chemistry - S 3 Units****Term Typically Offered:** Fall, Spring, Summer**Description:** A one-semester introduction to inorganic, organic, and biochemistry for non-majors. The course is designed to provide a general background for an elementary understanding of chemistry and societal issues related to chemistry. May also be taken by the less-prepared student as preparation for CHEM 201.**Note:** Not counted toward major in Chemistry.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 103. Introductory Chemistry Laboratory - SL 1 Unit****Term Typically Offered:** Fall, Spring**Prerequisite(s):** Concurrent enrollment in or completion of CHEM 101 or CHEM 105.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 105. Chemistry for Health Professionals - S 4 Units****Term Typically Offered:** Fall, Spring, Summer**Description:** An introductory survey of both general and organic chemistry with an emphasis on the relationship of chemistry to life processes, health, and nutrition.**Note:** Not counted toward major in chemistry.**Note:** Does not fulfill general education lab requirement.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 201. General Chemistry I - S 3 Units****Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** 1) For students with 15 or fewer hours earned at UofL or another university: a math ACT score of 26 (SAT Math of 600) or higher, or an ACT composite of 27 (SAT 1220) or higher; or 2) For students with 12 or more credit hours earned at UofL or another university: an overall GPA equivalent to a C+(2.30) or higher, and either a minimum grade of C (not C-) in MATH 180 or higher, or a minimum grade of C (not C-) in CHEM 101 or CHEM 105.**Description:** An introduction to the basic concepts and principles of modern chemistry. Special emphasis on chemical periodicity, stoichiometry, equilibrium, thermodynamics, kinetics, atomic and molecular structure, and descriptive chemistry of the elements.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 202. General Chemistry II - S 3 Units****Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** CHEM 201.**Description:** A continuation of the basic concepts and principles of modern chemistry. Topics include equilibria, thermodynamics, kinetics, electrochemistry, nuclear chemistry and/or descriptive chemistry of the elements.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CHEM 207. Introduction to Chemical Analysis I - SL** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Successful completion of or concurrent registration in CHEM 201.
Description: An introduction to the Chemistry laboratory with an emphasis on qualitative analysis.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 208. Introduction to Chemical Analysis II - SL** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Completion of or concurrent enrollment in CHEM 201 and completion of CHEM 207.
Description: CHEM 208 is a continuation of CHEM 207.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 209. Introduction to Chemical Analysis III** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CHEM 208 and successful completion of or concurrent registration in CHEM 202.
Description: Continuation of CHEM 208.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 210. Introduction to Chemical Analysis IV** 1 Unit
Term Typically Offered: Fall, Spring
Prerequisite(s): Completion of or concurrent enrollment in CHEM 202 and completion of CHEM 209.
Description: Continuation of CHEM 209; intended especially for Chemistry majors; introduction to instrumental methods of chemical analysis.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 320. Chemical Information Resources** 1 Unit
Prerequisite(s): CHEM 341.
Description: The use of printed material and computer based literature search techniques focused on finding specific information on a designated topic.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 341. Organic Chemistry I** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Completion of CHEM 202 and CHEM 209.
Description: Basic principles of organic chemistry: structure and geometry of molecules and consequential physical, chemical, and spectroscopic properties; chemical reactions, mechanisms, and synthetic applications; industrial and biological examples.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 342. Organic Chemistry II** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Completion of CHEM 341.
Description: Continuation of the basic principles of organic chemistry; structure and geometry of molecules and consequential physical, chemical, and spectroscopic properties; chemical reactions, mechanism, and synthetic applications; functional group chemistry and biomolecules.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 343. Organic Chemistry Laboratory I** 2 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Concurrent enrollment in or completion of CHEM 341.
Description: Techniques of modern organic chemistry: syntheses, mechanistic studies, identification of unknowns by chemical and spectroscopic methods, special projects.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 344. Organic Chemistry Laboratory II** 2 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Concurrent enrollment in or completion of CHEM 342.
Description: Techniques of modern organic chemistry: syntheses, mechanistic studies, identification of unknowns by chemical and spectroscopic methods, special projects.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 390. Undergraduate Research - CUE, WR** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CHEM 344, faculty consent and junior standing.
Description: Each student is required to submit a written report (2400 words) to the research advisor near the end of the semester. The advisor will critique the report and return it to the student for revision and submission to the advisor and the department chair at the end of the semester.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 391. Undergraduate Research - CUE** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Faculty consent.
Description: Each student is required to submit a written report to the research advisor and the Chemistry Department chair at the end of each research period.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CHEM 392. Undergraduate Research - CUE** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Faculty consent.
Description: Each student is required to submit a written report to the research advisor and the Chemistry Department chair at the end of each research period.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 420. Cooperative Internship in Chemistry - CUE, WR** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Chemistry through 344, department chair consent and junior standing.
Description: An individually arranged course combining work experience with related academic work in chemistry. Each student is required to submit a written report along with an employer evaluation at the end of each co-op period. The report will be reviewed and graded by the co-op director.
Note: Approved for the Arts and Sciences Upper-Level Requirement in Written Communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 425. Instrumental and Statistical Analysis** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHEM 210 and CHEM 342.
Description: Modern instrumental approaches to chemical analysis including atomic and molecular spectroscopy, chromatographic methods, electrochemistry, and statistical analysis of data.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 430. Practicum in Chemistry Education - CUE** 1 Unit
Term Typically Offered: Fall, Spring
Prerequisite(s): CHEM 342 and CHEM 344; majors only; permission to enroll required; minimum 3.0 GPA in chemistry to be eligible.
Description: A guided learning experience in inquiry-based instructional methods and best practices in STEM education. This course includes experimental learning as an undergraduate teaching assistant.
Note: May be repeated for a maximum of 3 credit hours.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 441. Elements of Physical Chemistry** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHEM 341; PHYS 222 or PHYS 299; and MATH 206 (or concurrent).
Description: Survey of Physical Chemistry. Course content includes states of matter, laws of thermodynamics and their applications, chemical and biological kinetics, quantum chemistry, and spectroscopy.
Note: Credit may not be earned for this course and CHEM 465 and CHEM 466.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 445. Survey of Biochemistry** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): CHEM 342.
Description: A survey of chemical characteristics of the constituents of living matter; cellular metabolism of proteins, nucleic acids, carbohydrates and lipids.
Note: This course will not count as credit for BS major with concentration in biochemistry.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 450. Introduction to Computational Chemistry and Molecular Modeling** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): CHEM 342 and MATH 206; PHYS 299 or PHYS 222.
Description: A discovery-based approach to common calculations in computational chemistry including how to optimize geometry, locate and characterize transition states, and calculate transition barriers and heats of reaction.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 451. Senior Research Seminar** 1 Unit
Prerequisite(s): CHEM 591, or CHEM 392 and permission of the research director.
Description: Preparation of the Senior Thesis and an oral presentation of it before a group of peers and faculty.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 465. Physical Chemistry I** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHEM 202; PHYS 222 or PHYS 299; concurrent registration in MATH 301.
Description: Introduction to the quantum theory of atoms, molecules and the chemical bond. The use of spectroscopy in the determination of molecular structure and chemical function.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CHEM 466. Physical Chemistry II** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): CHEM 465.
Description: Thermodynamics, statistical thermodynamics, chemical equilibrium and reaction kinetics from a molecular point of view. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 470. Physical Chemistry Laboratory - WR** 2 Units
Term Typically Offered: Spring Only
Prerequisite(s): CHEM 210; CHEM 441 or CHEM 465.
Description: Laboratory experiments and related lecture on properties of gases, thermochemistry, kinetics, electro-chemistry, laser techniques in chemical processes, spectroscopic methods including FTIR, EPR and X-ray crystallography.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Fulfills one WR requirement.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 491. Undergraduate Research - CUE** 1-3 Units
Term Typically Offered: Fall, Summer
Prerequisite(s): Faculty consent.
Description: Each student is required to submit a written report to the research advisor and the Chemistry Department chair at the end of each research period.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 492. Undergraduate Research** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Faculty consent.
Description: Each student is required to submit a written report to the research advisor and the Chemistry Department chair at the end of each research period.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 501. Independent Study** 1-3 Units
Prerequisite(s): Minimum GPA of 3.0 overall; minimum GPA of 3.5 in department and at least 18 semester hours credit in the department.
Description: Independent research conducted with the approval and supervision of a faculty member.
Note: Credit may not be applied to an advanced degree in Chemistry.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 503. Special Topics in Chemistry** 1-3 Units
Prerequisite(s): As required by topic.
Description: An examination of one or more specified areas of Chemistry. Details announced each semester.
Note: Not applicable toward graduate degree in chemistry.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 515. Inorganic Chemistry** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHEM 342; concurrent enrollment in CHEM 441 or CHEM 465.
Description: Descriptive and theoretical chemistry of the elements.
Note: Credit may not be applied to an advanced degree in Chemistry.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 527. Introduction to Separations and Spectroscopy - WR** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): CHEM 210, CHEM 342 and CHEM 344; CHEM 441 (or concurrently) or CHEM 465 (or concurrently).
Description: An introductory survey of contemporary chemical instrumentation including gas and liquid chromatography, molecular spectroscopy and ¹H and ¹³C nuclear magnetic resonance. Both hands-on instrument operation and applications to synthetic processes are considered.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 528. Contemporary Methods of Synthesis and Analysis I - CUE** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): CHEM 527.
Description: A discovery-based approach to the solution of problems encountered in chemical synthesis and analysis.
Note: Credit may not be applied to an advanced degree in Chemistry.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CHEM 529. Contemporary Methods of Synthesis and Analysis II** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): CHEM 527; CHEM 515 (or concurrently).
Description: A discovery-based approach to the solution of problems encountered in chemical synthesis and analysis.
Note: Credit may not be applied to an advanced degree in Chemistry.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHEM 532. Chemistry Education for Secondary Teachers 4 Units**Prerequisite(s):** CHEM 527 (or concurrently).**Description:** In-depth examination of chemistry content for secondary teachers as aligned with national and state standards. Inquiry-based laboratory and diverse assessment of core concepts will be developed.**Note:** Does not count toward a degree in Chemistry except by departmental permission.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 545. Biochemistry I 3 Units****Term Typically Offered:** Fall Only**Prerequisite(s):** CHEM 342.**Description:** Chemistry of amino acids, peptides, proteins, carbohydrates, nucleotides and nucleic acids; methods of analysis and laboratory synthesis; enzyme properties, kinetics, ligand binding.**Note:** Credit may not be earned in both CHEM 545 and CHEM 645, or in both CHEM 545 and CHEM 445.**Note:** Credit may not be applied toward an advanced degree in Chemistry.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 546. Biochemistry Laboratory 2 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** CHEM 445 or concurrent enrollment in CHEM 545.**Description:** Application of contemporary laboratory methods of biochemistry including uv/vis spectrophotometry, liquid chromatography centrifugation, gel electrophoresis, mass spectrometry, FTIR, and recombinant DNA techniques.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 547. Biochemistry II 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** CHEM 545.**Description:** Cellular metabolism of carbohydrates, lipids, amino acids and biomembrane phenomena; RNA, DNA, and protein synthesis.**Note:** Credit may not be earned in both CHEM 547 and CHEM 647, or in both CHEM 547 and CHEM 445.**Note:** Credit may not be applied to an advanced degree in chemistry.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 550. Group Theory and its Chemical Applications 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** One year of physical chemistry.**Description:** Elementary group theory; the use of group theory to treat symmetry; application to atomic structure, molecular structure, spectroscopy, and reaction mechanisms.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 555. Theory and Application of Computational Chemistry 3 Units****Prerequisite(s):** CHEM 441 or CHEM 465 or PHYS 300.**Description:** Theory and Application of Computational Chemistry will be a combined elective undergraduate and graduate level course. The purpose of the course is to provide students with the necessary knowledge such that they can examine chemical problems computationally and where required, use computational tools to benefit their own research. The course will emphasize practical applications of computers in chemistry, trends that define the appropriate methods for chemical studies, and elucidation of underlying theoretical methods. As the abstract nature of the field is frequently a learning barrier to many students, the course will incorporate a series of workshops to enable students to build their own computer programs and study chemical problems computationally.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 557. Bio-Organic Phenomena 3 Units****Term Typically Offered:** Spring Only**Prerequisite(s):** One year of organic chemistry.**Description:** Special topics in the biological chemistry area: e.g., chemical carcinogenesis; diet and cancer, food chemistry and polypeptides; proteins; carbohydrates; enzymes; hormone chemistry.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CHEM 591. Chemistry for Teachers I 3 Units****Prerequisite(s):** For graduate education majors; must have experience in teaching chemistry principles in elementary, middle, or secondary schools.**Description:** Teaching pre-college chemistry with emphasis on curriculum content, laboratory procedures, and process skills.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Chinese (CHNS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>CHNS 101. Elementary Chinese I 3 Units Term Typically Offered: Fall Only Description: For beginners. Introduction to fundamentals of Mandarin Chinese, including pronunciation, grammar, and some Chinese characters, with emphasis on all four basic language skills - speaking, listening comprehension, reading and writing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 301. Advanced Intermediate Chinese I 3 Units Term Typically Offered: Fall Only Prerequisite(s): Completion of CHNS 202 or equivalent. Description: Increase ability to read, write, speak and understand Chinese. Learn new characters and master use of a Chinese-English dictionary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHNS 102. Elementary Chinese II 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): CHNS 101 or equivalent. Description: Continued work on fundamentals of Mandarin Chinese, including pronunciation, grammar, and additional Chinese characters, with emphasis on all four basic language skills - speaking, listening comprehension, reading and writing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 302. Advanced Intermediate Chinese II 3 Units Term Typically Offered: Spring Only Prerequisite(s): Completion of CHNS 301 or equivalent. Description: Emphasis on four language skills continues. Mastery of up to 800 Chinese characters; learn new words from context and character combinations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHNS 200. Study Abroad 1-15 Units Term Typically Offered: Occasionally Offered Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 311. Independent Study 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): CHNS 202 (or equivalent), or permission of instructor. Description: Independent study in Chinese language, literature and culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHNS 201. Intermediate Chinese I 3 Units Term Typically Offered: Fall Only Prerequisite(s): CHNS 102 or equivalent. Description: Designed to strengthen communication skills of listening, speaking, reading and writing. Grammar review, mastery of 500 Chinese characters; insights into China, its language and culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 321. Chinese Conversation I 3 Units Term Typically Offered: Fall Only Prerequisite(s): CHNS 202 or equivalent. Description: The course is designed to help students achieve an intermediate level of communication through practicing Chinese while discussing a variety of topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHNS 202. Intermediate Chinese II 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): CHNS 201 or equivalent. Description: Continued work on communicative skills of listening, speaking, reading and writing. Mastery of additional signs; insights into China, its language and culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 322. Chinese Conversation II 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): CHNS 321 or equivalent. Description: The course is designed to help students achieve an advanced intermediate level of communication through practicing Chinese while discussing a variety of topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CHNS 300. Study Abroad 1-15 Units Term Typically Offered: Occasionally Offered Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CHNS 455. Advanced Readings in Chinese I 3 Units Term Typically Offered: Fall Only Prerequisite(s): CHNS 302 or permission of the instructor. Description: Enhances the student's ability to read and understand modern written Chinese by examining authentic literary and non-literary texts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

CHNS 456. Advanced Readings in Chinese II 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): CHNS 455 or permission of the instructor.
Description: Continuation of CHNS 455.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHNS 551. Special Topics 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): CHNS 456 (or equivalent), or permission of the instructor.
Description: The course aims at bridging the gap between students advanced skills of spoken Chinese and their understanding of the complexity of advanced written Chinese.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Chinese Studies (CHST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CHST 270. Chinese Contributions to the World - AH, D2 3 Units
Term Typically Offered: Occasionally Offered
Description: An introduction to Chinese historical scientific contributions to the world, the reciprocal influences between Chinese and non-Chinese cultures, and Chinese ethnicity and identities within the global context.
Note: Cross-listed with AST 270 and M L 270.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 313. Special Topics 3 Units
Term Typically Offered: Occasionally Offered
Description: Topic varies by semester. Conducted in English.
Note: May be repeated once for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 323. Doing Business in China 3 Units
Term Typically Offered: Occasionally Offered
Description: Discussion of business traditions, practices, etiquette, and norms in China. Conducted in English.
Note: Cross-listed with AST 323.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 331. Chinese Culture and Tradition 3 Units
Term Typically Offered: Occasionally Offered
Description: Discussion of Chinese culture and society from the beginnings to 1900, covering topics of religion and government, education, marriage, family, medicine, invention, art, architecture, and other aspects of social life. Conducted in English.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 333. Contemporary China 3 Units
Term Typically Offered: Occasionally Offered
Description: Discussion of the China of today, including popular culture, technology, mass media, folk theater, urban consumer culture, and state policy. Conducted in English.
Note: Cross-listed with AST 333.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 335. China Through Film - AH, D2 3 Units
Term Typically Offered: Fall Only
Description: Examination of 20th-century China through the critical study of selected examples of film. Conducted in English.
Note: Cross-listed with AST 335.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 341. Ethnicity and Religion in China 3 Units
Term Typically Offered: Occasionally Offered
Description: Studies of minority peoples such as Uigurs, Huis, Mongols and Tibetans, including their life style, language, art and religion. Discussion of how Buddhism, Islam, Christianity and other religious ideas spread into China, and their presence today in China. Conducted in English.
Note: Cross-listed with AST 341.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 351. Chinese Literature in Translation I - AH, D2 3 Units
Term Typically Offered: Occasionally Offered
Description: Chinese literature from the beginning to 1911, discussion of principal genres, authors, and works. Conducted in English.
Note: Cross-listed with AST 351.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 353. Chinese Literary Theory **3 Units**

Description: Discussion of Chinese views of the function of poetry and literature, ancient Chinese aesthetics, and modern literary politics. Conducted in English.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CHST 361. Western Literature in China **3 Units**

Term Typically Offered: Occasionally Offered

Description: Discussion of the tradition of Chinese translation of foreign authors beginning in the late 19th century and its impact on Chinese literature, culture and society, with Katherine Mansfield, Mark Twain, Ernest Hemingway, James Joyce and others as examples. Conducted in English.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Civil and Environmental Engineering (CEE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CEE 205. Mechanics I: Statics **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 101 and PHYS 298.

Description: Apply fundamental concepts of statics to examine forces, equilibrium, friction, centroids and moments of inertia, to analyze and solve engineering problems. Both vector and scalar methodologies are used.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 254. Mechanics of Solids **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): CEE 205.

Description: Analysis of deformable engineered members subjected to concentric, flexural, torsion, and combined loading. Examination of statically determinate and indeterminate systems to analyze and design engineering structures.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 255. Mechanics of Materials Laboratory **1 Unit**

Term Typically Offered: Fall Only

Corequisite(s): CEE 254.

Description: A materials testing laboratory in which the properties of materials such as wood and steel are evaluated. Performances of tension, compression, shear, bending, and torsion tests on various specimens. Experimental determination of stresses. CEE majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 260. Civil Engineering Field Measurements **2 Units**

Term Typically Offered: Fall Only

Prerequisite(s): ENGR 110 or ENGR 149; restricted to CEE majors.

Corequisite(s): CEE 261.

Description: Focus is on plane surveying, including the use and care of surveying instruments for laying out engineered facilities. Use of proprietary Computer-Aided Engineering software is introduced.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 261. Civil Engineering Field Measurements Laboratory **1 Unit**

Term Typically Offered: Fall Only

Prerequisite(s): Restricted to Civil Engineering Majors.

Corequisite(s): CEE 260.

Description: Practical applications of plane surveying techniques, including the use and care of surveying instruments, and laying out engineered facilities are introduced.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 288. Civil and Environmental Engineering Cooperative Education Seminar **0 Units**

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Eligibility for admission to the CEE Department.

Description: Discussion of the policies and procedures for cooperative education and instruction in self-directed job search techniques, including interviewing skills, resume preparation, and guidelines for the co-op report. This is a prerequisite for each cooperative education term.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CEE 289. Civil and Environmental Engineering Cooperative Education I **1 Unit**

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CEE 288, admission to academic department, and good standing within Speed School.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CEE 309. Introduction to Environmental Engineering 3 Units Term Typically Offered: Summer Only Prerequisite(s): CHEM 201 and PHYS 298. Description: This course is intended as an introduction to the basic science and engineering principles that are involved in assessment of environmental quality, in understanding environmental processes and in developing solutions to environmental problems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CEE 401. Civil Engineering Professional Practice 2 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the CEE Department. Description: Professional practices, issues relating to effective communication skills (written and oral) and engineering ethics are emphasized. The course includes simulations and presentations by legal and engineering practitioners. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CEE 322. Structural Analysis 3 Units Term Typically Offered: Summer Only Prerequisite(s): CEE 254. Description: Classical approaches to analysis determinate and indeterminate structures, including trusses, beams, and frames are presented. Different methods are used to determine the internal forces and the deformation of these structural systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CEE 405. Practicum in Civil and Environmental Engineering Education 1 Unit Term Typically Offered: Fall, Summer Prerequisite(s): CEE 205, consent of the instructor. Description: A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes a field experience as an undergraduate teaching assistant. Permission to enroll required. Note: May be repeated for a maximum of 3 credit hours. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CEE 370. Engineering Hydraulics 3 Units Term Typically Offered: Spring Only Prerequisite(s): CEE 254 and ME 206. Description: A study of the fundamental principles of hydraulics, including fluid statics, kinematics, and dynamics. Application of basic concepts and principles to fluid flow through pipes, open channels, turbo machines, and flow measurement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CEE 421. Fundamentals of Concrete Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): CEE 322. Description: Introduction to concrete design specifications (ACI); the design of structural systems in concrete, slabs, buildings, and frames. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CEE 371. Engineering Hydraulics Lab 1 Unit Term Typically Offered: Spring Only Corequisite(s): CEE 370. Description: A hydraulic experimental laboratory in which the static and dynamic properties of fluids are evaluated. Experimental determination of fluid properties, fluid behavior, and the flow dynamics including flowrates and forces. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CEE 422. Fundamentals of Steel Design 3 Units Term Typically Offered: Fall Only Prerequisite(s): CEE 322. Description: Introduction to the AISC LRFD steel design specification. Design of steel tension members, beams, columns, beam-columns, and connections. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CEE 389. Civil and Environmental Engineering Cooperative Education II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 289. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CEE 450. Geomechanics 3 Units Term Typically Offered: Fall Only Prerequisite(s): CEE 370, GEOS 301. Description: Application of mechanical principles to the behavior of soil masses. Soil mineralogy; hydraulic behavior; consolidation theory and settlement analyses; shear strength. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>CEE 451. Geomechanics Laboratory 1 Unit Term Typically Offered: Fall Only Corequisite(s): CEE 450. Description: Laboratory measurement of soil properties including index properties, permeability, compressibility, and shear strength. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>CEE 452. Foundation Engineering Term Typically Offered: Spring Only Prerequisite(s): CEE 450. Description: Character of natural soil deposits. Subsurface exploration and testing. Foundation types, limitations. Bearing capacity and settlement analyses. Design of foundations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 489. Civil Engineering Cooperative Education III Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 288 and CEE 389. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>CEE 460. Transportation Systems Engineering Term Typically Offered: Spring Only Prerequisite(s): CEE 260 and first-year professional school standing. Description: A study of the planning, design, implementation, and evaluation of transportation systems across the modes. Issues of legislation, regulation, and funding are also examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 503. Fundamentals of Engineering Exam Review Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 4th-year standing. Description: Review of topics covered on eight-hour NCEES Fundamentals of Engineering examination. Not to be counted towards meeting the requirements for a degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>CEE 470. Surface Water Hydrology Term Typically Offered: Fall Only Prerequisite(s): CEE 370. Description: Hydrologic cycle, rainfall, rainfall abstractions including infiltration theory, and runoff. Unit hydrograph theory and its application in runoff computation from watersheds. Statistical applications in hydrology including frequency analysis, flood routing and hydrologic engineering and design. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 520. Design of Structural Systems Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 421, CEE 422, and CEE 452. Description: Introduction to the design of structural systems. Model building codes. Material, structural system and foundation system selection. Design of connections. Economic, detailing constructability and erection issues. Preparation of engineering drawings. Review of shop drawing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 471. Water Supply and Sewerage Term Typically Offered: Spring Only Prerequisite(s): CEE 470. Description: Quantity of water and sewage; collection and distribution of water supplies; quality of water supplies; characteristics of sewage and disposal; principles and design of processes for preliminary, primary and secondary treatment of water supplies and sewage including screening, clarification and filtration; and stormwater management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 522. Fundamentals of Prestressed Concrete Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 322 and CEE 421. Description: Introduction to pre-tensioned and post-tensioned prestressed concrete. Design of precast concrete slabs, buildings, and bridges in accordance with ACI specifications and the Prestressed Concrete Institute (PCI) recommended practices. Application of computer programs for member analysis and design. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 480. Civil & Environmental Engineering Capstone Design - CUE Term Typically Offered: Spring Only Prerequisite(s): CEE 422 and CEE 460. Corequisite(s): CEE 421, CEE 452, and CEE 471. Description: An introduction to integrated civil engineering design, incorporating aspects of geotechnical, structural, transportation, and water resources engineering into a more comprehensive design project. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 523. Timber Design Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 254 or consent of instructor. Description: Concepts of Structural Timber design will be taught. The properties of wood materials will be reviewed and the procedures for the design of typical timber components will be presented. In addition to course assignments, and tests, required of all students, students taking this course for graduate credit will be required to complete a group design of a simple building. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>CEE 530. Construction Materials Term Typically Offered: Spring Only Prerequisite(s): CEE 254 and CEE 255. Description: Properties of construction materials such as cement, concrete, asphalt, and structural elastomers. Design of Portland cement concrete and asphaltic concrete mixes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 565. GIS Applications to Transportation Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 460. Description: Introduces an overview and application of current methods of implementing GIS solutions to highway data analysis and planning studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 532. Experimental Stress Analysis Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 530. Description: Fundamentals of experimental stress analysis, brittle coating, photoelastic coating, and electrical strain gage techniques, strain measurements under static and dynamic loading. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 570. Applied Hydraulics Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 572. Description: Application of basic principles of hydraulic engineering to analysis of flow in floodways, through bridge openings, culverts, and spillways. Analysis of stable channel design is also considered. Commonly used computer programs are utilized to design structures in floodways. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 552. Earth Pressures and Retaining Structures Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 450. Description: Earth pressure calculation: theory and practice. Design techniques for retaining walls, reinforced earth and soil nailing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 571. Applied Hydrology Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 470. Description: Introduction to hydrologic systems; modeling runoff from watersheds using lumped and distributed methods; stormwater management and design; hydrologic and hydraulic routing including kinematic wave routing; computer rainfall-runoff simulation models. A hydrologic design project will be assigned to all students; special assignments dealing with hydrologic processes will be assigned to MS degree students. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 560. Traffic Engineering Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 460. Description: Examines characteristics of the vehicle, the driver, and the traffic stream. Highway and intersection capacity, theory of traffic flow, parking, traffic safety. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 572. Open Channel Hydraulics Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 370. Description: Application of basic principles of hydraulics to open channel flow. Theory and analysis of critical, uniform and gradually varied flow and computer analysis. Select topics in rapidly varied and unsteady flow. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 562. Geometric Design of Highways Term Typically Offered: Occasionally Offered Prerequisite(s): CEE 460. Description: The concepts of geometric design for rural and urban highways, utilizing proprietary design software are introduced and applied. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 573. Groundwater Hydrology Term Typically Offered: Occasionally Offered Prerequisite(s): CEE 450 and CEE 470. Description: Fundamental concepts of fluid flow and soil properties; theory of groundwater movement; mechanics of well flow; groundwater contaminant transport. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CEE 563. GPS Theory and Application Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 460. Description: This course is designed to give the student an overview of the use of Global Positioning Systems in surveying and engineering applications. Elements of coordinate systems, map projections, GPS principles of operation, mapping, boundary, and construction surveys will be covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CEE 590. Current Topics in Civil Engineering Term Typically Offered: Occasionally Offered Prerequisite(s): Consent of instructor. Description: An examination of one or more topics in Civil Engineering. Details announced each semester. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-4 Units</p>

Commercial Law (CLAW)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CLAW 301. Legal Environment of Business 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to the College of Business.

Description: An introduction to the American legal and judicial system, with particular emphasis on the relationship of the law to business activities. A study of the developments of the law and the operation of the judicial system. Emphasis will be placed on the impact that government regulations and certain areas of the Uniform Commercial Code have on business.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CLAW 490. Special Topics in Commercial Law 1-4 Units

Term Typically Offered: Summer Only

Prerequisite(s): CLAW 301 and Senior standing.

Description: A variety of contemporary topics in law as they relate to business will be studied. Course content may vary each semester but will not duplicate other course offerings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Communication (COMM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific

fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

COMM 111. Introduction to Public Speaking - OC 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Training in fundamental processes and attributes of effective public speaking.

Note: Credit may not be received for this course and COMM 112.

Note: Does not count toward communication major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 112. Business and Professional Speaking - OC 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Develops theoretical and applied material concerning communication practices appropriate to business and professional settings.

Note: Credit may not be received for this course and COMM 111.

Note: Does not count toward Communication major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 115. Interpersonal Skills - OC 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Training in basic processes and skills of face-to-face interaction. Emphasis on developing language, nonverbal, and conflict management skills.

Note: Does not count toward Communication major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 201. Introduction to Communication - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to basic concepts of communication discipline.

Focuses on communication processes in interpersonal, small groups, organizations, and mass media.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 275. African-American Communication - D1, SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Study of various dimensions of communication pertaining specifically to African Americans. Communication patterns within the African-American community as well as communication patterns about that community are analyzed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>COMM 301. Special Topics in Communication Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Investigation of topics not offered in regular courses. Note: Topics vary. Note: May be repeated.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 311. Persuasion Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Junior standing. Description: Theory and practice of social influence; discusses relationships between the idea of persuasion and broader theories of communication and human behavior. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>COMM 302. Advanced Speech Communication Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 111 or COMM 112 or COMM 115 or HON 214. Description: Advanced principles and techniques of effective public speaking. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 312. Group Process Term Typically Offered: Spring Only Prerequisite(s): COMM 201. Description: Studies communication processes in group settings; emphasizes empirical research findings in leadership, interpersonal bargaining, and problems of group problem-solving. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>COMM 303. Introduction to Communication Technologies Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201 or permission of instructor. Description: Students learn about communication technologies in contemporary society, explore the various contexts in which these technologies are used, and apply theoretical perspectives to the use of these technologies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 313. Organizational Communication Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Surveys recent theory and research dealing with the roles and effects of communication in complex organizations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>COMM 304. Argument In Everyday Life Term Typically Offered: Fall, Spring, Summer Description: Surveys theory and practice related to the creation and analysis of arguments in public communication. Topics include argument structure, evidence, types and limitations of inferences, and the adaptation of messages to particular contexts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 315. Introduction to Interpersonal Communication Term Typically Offered: Fall, Spring, Summer Description: Study of communication principles as they apply in everyday life. Applying social conventions as guides for effective communication. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>COMM 305. Introduction to Mass Communication Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Survey of media institutions and effects. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 316. Research Methods Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Introduction to basic research methods of communication discipline. Examines relationship of theory and methods, research design, and measurement in communication contexts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>COMM 310. Business Communication Term Typically Offered: Fall, Summer Prerequisite(s): COMM 201. Description: Overview of the scope and importance of communication in business, and the development of business communication skills students will employ throughout their professional careers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>COMM 317. Communication Internship Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 2.5 GPA overall and faculty consent. Description: Practical experience in communication-related employment. Note: Contact department for application procedures and guidelines.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>

<p>COMM 319. Debate 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 111 or COMM 112 or COMM 115 or faculty consent. Description: Principles and techniques of preparing evidence and of persuasive speaking before critical listeners. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 324. Communication and Gender 3 Units Term Typically Offered: Fall, Spring, Summer Description: The course examines how gender identities, roles and norms have been structured within different modes of communication (e.g., interpersonal, mass media and institutional). Note: Cross-listed with WGST 324. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 320. Newswriting - WR 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGL 102 or ENGL 105. Description: Study and practice of news-writing and reporting techniques for routine news stories, including story organization, writing story leads, and the elements of hard news and feature journalism. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 325. Communicating Hip-Hop Culture 3 Units Term Typically Offered: Fall, Spring, Summer Description: Analysis of rap music as a communicative force both within and about hip-hop culture. Topics of study include the origins, development, and participants of the culture with special emphasis on rap music as the primary vehicle of communication. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 321. Digital Journalism - WR 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGL 102 or ENGL 105. Description: The study of journalism in a multimedia environment including reporting, video, blogging, and other online content work. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 326. African Americans in American Media 3 Units Term Typically Offered: Spring Only Description: The evolution of the popular image of African Americans as reflected in the visual media of television and the cinema. Note: Cross-listed with PAS 312. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 322. Sports Writing - WR 3 Units Term Typically Offered: Spring Only Prerequisite(s): ENGL 102 or ENGL 105. Description: Students will study and practice writing and reporting techniques for sport events and become familiar with elements of journalism and story organization. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 327. Mass Media Processes and Effects 3 Units Term Typically Offered: Fall, Spring, Summer Description: Theory and research pertaining to the effects of various mass media. Topics include advertising, journalism, educational programming, violence, and pornography. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 323. Magazine and Feature Writing - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ENGL 102 or ENGL 105. Description: Introduction to practice and techniques of preparing articles for popular, specialized, and trade publication; attention to marketing and magazine makeup. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 328. Introduction to Urban Communication 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Theoretical and empirical approaches to the study of communication as it relates to the culture of urban communities, especially African Americans, Latinos, women, and marginalized groups. Emphasis is on cross-cultural relations, rhetoric and language, media, and educational organizations with special focus on understanding the role communication plays in shaping the identity of these communication groups. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 329. Marriage and Family Communication 3 Units Term Typically Offered: Fall, Summer Prerequisite(s): COMM 201. Description: Explores the diversity of marital and family systems. The course reviews the major theories, concepts and research findings in family communication. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 329. Marriage and Family Communication 3 Units Term Typically Offered: Fall, Summer Prerequisite(s): COMM 201. Description: Explores the diversity of marital and family systems. The course reviews the major theories, concepts and research findings in family communication. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>COMM 333. Social Media, Mobile Technologies and Strategic Communications 3 Units Term Typically Offered: Spring Only Prerequisite(s): COMM 201. Description: Explores social media and other emerging technologies and how they influence communication practice in a variety of settings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 339. Fiction Film Production 3 Units Term Typically Offered: Spring Only Prerequisite(s): COMM 335 or COMM 338. Description: Expanded understanding of the creative process and development of short narrative films. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 335. Video Communication 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201 and COMM 305, or by permission of instructor. Description: Introduction to basic theory and practices with an emphasis on application of concepts in the development of news stories, advertisements, and other video projects. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 340. Introduction to Visual Communication 3 Units Term Typically Offered: Fall, Spring Description: An examination of the basic forms used in the composition of visual information and how these forms are used to produce visual messages. The basic concepts of visuals rhetoric are also explored. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 336. Video Communication II 3 Units Term Typically Offered: Fall, Summer Prerequisite(s): COMM 335 or equivalent. Description: Study of advanced principles of video production including producing, directing, shooting and non-linear editing, along with concepts and theories of aesthetics and video as a communication form. Note: Students who previously took COMM 461 - Advanced Video Communication should not take this course.</p>	<p>COMM 342. Introduction to Strategic Communication 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201 or by permission of instructor. Description: Explores the various forms of persuasive communications employed in corporate, agency and nonprofit settings. Course content covers public relations, advertising, sales promotion, relationship marketing, direct marketing, database marketing, cyber marketing, globalization, and business ethics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 344. Strategic Communication Writing - WR 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 342. Description: Skills for writing across the multiple media platforms and genres that are currently used in strategic communication campaigns. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: Credit may not be earned for this course and for COMM 345 if taken prior to summer 2012.</p>
<p>COMM 337. Campus Media 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): COMM 320 or faculty consent. Description: The study and practice of finding news stories, reporting, and delivering content in multiple platforms. This course serves as an academic component in the weekly production of the campus newspaper. Note: Students who previously took COMM 301: Campus Media may not take this course.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>COMM 338. Introduction to Film Production 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201 or by permission of instructor. Description: Hands-on class designed to introduce students to the many facets of film production including visual, sound, writing, and representational strategies. Note: Students may not receive credit for this course and for COMM 335.</p>	<p>COMM 346. Strategic Media Management 3 Units Term Typically Offered: Spring Only Prerequisite(s): COMM 342. Description: Introduction to the planning process for managing messages across a variety of media. Media planning and media selection in advertising and public relations, and how media are integrated with broader strategic communication campaigns. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 348. Creativity in Advertising 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): COMM 342. Description: Study and practice of the creative process and the team dynamic in the development of advertising campaigns. Note: Cross-listed with ART 372.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

COMM 350. Introduction to Intercultural Communication - D2, SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): COMM 201.

Description: Introduction to communication among people from different cultures and nation-states.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 360. Web Site Development 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Study and practice of producing and placing materials on the World Wide Web. Activities include creating, manipulating, and maintaining graphics, audio, and text documents.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 361. Web Site Development II 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): COMM 360 or equivalent.

Description: Study and use of common scripting languages used to create dynamic, interactive web sites. The scripting languages studied vary, but typically include both server-side and client-side languages.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 365. Special Topics in Communication Service Learning 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): COMM 201.

Description: Study of communication concepts and theories that will be applied in service learning field work.

Note: May be repeated under different subtitles.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 370. Desktop Publishing 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the developing field of desktop publishing in organizations. Focus on strategic thinking required to conceptualize printed materials and basic principles of message development applied to produce documents in a computerized environment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 380. Practicum 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): COMM 201 or faculty consent.

Description: Participation in supervised research.

Note: May not be taken simultaneously with COMM 480 OR COMM 481.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 401. Independent Study in Communication 1-6 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): 18 hours in Department, 3.0 GPA overall and 3.2 GPA in major.

Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice in Communication that is not included in regular courses in the curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 402. Independent Research in Communication - CUE 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): 18 hours in department, 90 total credit hours, 3.0 GPA overall and 3.2 GPA in major, and faculty consent.

Description: Integration of communication concepts and theories to study a contemporary issue or problem within the discipline.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 410. International Communication 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): COMM 305.

Description: Study of international communication systems; emphasis on foreign press, freedom of information, satellite communication, and programming patterns in cross-cultural settings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 411. Mass Communication Law 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): COMM 305.

Description: Study of media regulation by constitutional and governmental processes; includes review of legal decisions, role of federal agencies, and historical trends in media control.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 412. Communication Criticism - CUE 3 Units

Term Typically Offered: Fall, Spring

Description: Compares critical methods for analysis and appraisal of persuasive messages in speeches and texts involving news and advertising.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 413. Environmental Communication - CUE **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): COMM 304 or instructor permission.
Description: Exploration of themes, issues, questions, and debates about the environment to better understand major paradigms like conservation and movements like sustainability.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 417. Senior Communication Internship - CUE **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Senior standing, 2.5 GPA overall, and faculty consent.
Description: Practical experience in communication related employment and critical reflection on how communication concepts and knowledge are applied in the field.
Note: Contact department for application procedures and guidelines.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 422. Reality Television **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): COMM 305.
Description: Study of the various genres of reality television, its audiences, and the culture in which this programming is produced.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 427. Case Studies in Communication - CUE **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): 90 credit hours completed and COMM 316, or faculty consent.
Description: Introduction to the case study method in communication on a topic relevant to the discipline.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 429. Documentary Production - CUE **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): 90 earned credit hours and COMM 335.
Description: Exploration of story development, lighting, editing, and sound design as students gain hands-on experience creating short documentary films.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 430. Health Communication - CUE, WR **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): COMM 201 or consent of instructor.
Description: Nature, function and importance of communication in health care delivery. Applies communication theory and skills to health contexts.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 431. Political Communication **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): COMM 305 or permission of instructor.
Description: Study of communication as a vital part of democracy, informing citizens and shaping public policy. Course examines political communication messages from both the electorate and campaign practitioner perspectives.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 432. Advanced Organizational Communication - WR **3 Units**
Prerequisite(s): COMM 313.
Description: In-depth view of theories of organizational communication, including assumptions, philosophies and methodologies that undergird and shape past and current research.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 433. Children and Television - WR **3 Units**
Prerequisite(s): COMM 305 or faculty consent.
Description: Explores ways television influences the attitudes, values, and behavior of children and adolescents. Special emphasis on critically analyzing theoretical and empirical literature on the effects of television on children.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>COMM 434. Global Media - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): COMM 201. Description: Study of the history of media globalization as well as the political, economic, and cultural problems and opportunities involved in the trend toward globalization and international information flow. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>	<p>COMM 438. Intimate Communication - WR 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): COMM 201. Description: Explores communication issues in intimate personal relationships. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>COMM 435. Media, Culture and Society 3 Units Term Typically Offered: Fall Only Prerequisite(s): COMM 305. Description: Advanced study of media culture; analytical and critical perspectives on the institutional and social dimensions of television, film, journalism, and popular music. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>COMM 445. Strategic Communication Campaigns - CUE 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 342 or COMM 346 or permission of instructor. Description: Critical and analytical thinking to develop effective communication campaigns that apply appropriate communication strategies and practices. Participation in a project that develops a comprehensive and integrated strategic communication campaign that addresses multiple audiences and key publics. Note: Credit may not be earned for this course and for COMM 425 if taken prior to summer 2012. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>COMM 436. Health Communication Campaign Planning - CUE, WR 3 Units Term Typically Offered: Fall Only Prerequisite(s): COMM 305 or COMM 342 or permission of instructor. Description: An introduction to health campaign design and development including a discussion of how different media are used to impact health beliefs and behavioral decisions. Note: Approved for the Arts and Sciences Upper-Level Requirement in Written Communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>COMM 450. Advanced Intercultural Communication - CUE, WR 3 Units Term Typically Offered: Spring Only Prerequisite(s): COMM 350 and 90 hours completed. Description: Survey of theory and research pertaining to problems of cross-cultural communication, including cultural, national, ethnic, and racial divisions. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>COMM 437. Mass Media and Close Relationships - CUE 3 Units Term Typically Offered: Fall Only Prerequisite(s): COMM 315. Description: An introduction to the core principles, concepts, methods, and research findings related to the study of romance, sex, and friendship in the mass media. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>COMM 460. Special Topics in Communication Studies 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): COMM 201. Description: Investigation of topics not offered in regular courses. Note: May be repeated up to 6 hours.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

COMM 461. Special Topics in Mass Communication 3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): COMM 201.
Description: Investigation of topics not offered in regular courses.
Note: May be repeated up to 6 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 463. Special Topics in Communication Studies - WR 3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): COMM 201.
Description: Investigation of topics not offered in regular courses.
Note: May be repeated when topics vary.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 465. Special Topics in Communication Service Learning - CUE 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): 90 credit hours and faculty consent.
Description: Study of Communication concepts and theories that will be applied in service learning field work.

Note: May be repeated under different subtitles.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 480. Senior Practicum 1-3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): COMM 316 and faculty consent.
Description: Participation in supervised research.
Note: May not be taken simultaneously with COMM 380.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 481. Senior Practicum - CUE 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): 90 credit hours completed, COMM 316 and faculty consent.
Description: Practical communication project and/or participation in supervised research. May not be taken simultaneously with COMM 380.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 498. Senior Thesis - CUE, WR 3 Units

Prerequisite(s): 90 credit hours completed and faculty consent.
Description:
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 499. Senior Thesis - WR 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): Senior standing; admission to departmental honors program.

Description:
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 505. Perspectives on Religion and Media - CUE, WR 3 Units

Prerequisite(s): COMM 305 and 90 credit hours completed.
Description: Study of the history and meaning of mediated religious communication, focusing on journalism and strategic communication.
Note: Approval for the Arts & Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 506. Ethical Problems in Communication - CUE, WR 3 Units

Prerequisite(s): COMM 305 and 90 credit hours completed.
Description: Examines the moral and ethical problems posed by communication practices. Topics include case studies in interpersonal communication, journalism, public relations, and advertising.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 510. Special Topics in Communication Studies 1-3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Faculty consent.

Description: Advanced study in specific areas of Communication Studies.

Note: May be repeated under different subtitles.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 513. History of Communication - WR 3 Units

Description: Examination of the history of communication both as a set of practices and as a subject of academic inquiry.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 520. Computer-Mediated Communication - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Conceptual analysis and practical use of computer networks with an emphasis on the social and cultural dimensions of this type of human communication.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 530. Science Communication 3 Units

Description: The course examines the conceptual foundations and practices of science communication. It examines the institutional and intellectual contexts of science communication as well as the scientific constraints on science communication.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 540. Public Communication Campaigns 3 Units

Term Typically Offered: Occasionally Offered

Description: Drawing upon emerging new theories and empirical studies on influencing audiences, this course examines mediated public communication campaigns.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 555. Persuasive Movements 3 Units

Description: Seminar focuses upon the role of persuasion and rhetoric in the formation and lifespan of social movements.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 565. Special Topics in Communication Service Learning - CUE 3 Units

Prerequisite(s): Faculty consent.

Description: Study of communication concepts and theories that will be applied in service learning field work.

Note: May be repeated up to six hours under different subtitles.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 580. Interpersonal Communication 3 Units

Description: Study of communication in everyday life, including casual conversation and interaction among acquaintances.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

COMM 590. Health Communication 3 Units

Prerequisite(s): Consent of instructor.

Description: Studies the nature, function, and importance of communication in the delivery of health care, and/or medical knowledge.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Communicative Disorders (CMDS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CMDS 405. Introduction to Audiological Techniques and Rehabilitation 3 Units

Term Typically Offered: Fall Only

Description: This course provides an introduction to the evaluation, screening and habilitation/rehabilitation of adults and children with hearing impairment. Topics include tests of auditory function, effects of auditory pathology, and amplification.

Note: Cross-listed with AUDI 605.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 430. Aural Rehabilitation for the Speech-Language Pathologist 3 Units**Term Typically Offered:** Spring Only**Description:** This course provides an overview of the various hearing impaired habilitative/rehabilitative programs/techniques for pediatric through geriatric populations. Topics may include: speech/language development for children with impaired hearing; physiology and psychosocial impact of hearing loss in older adulthood; cochlear implants; educational management for children with impaired hearing; an overview of hearing aids; and assistive listening devices.**Note:** Cross-listed with CMDS 630.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 463. Clinical Phonetics 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** Must be at least a Junior or Senior undergraduate student to register.**Description:** The International Phonetic Alphabet and other symbol systems are utilized in transcription of speech sounds. A description of speech sounds in terms of acoustics and physiologic dimensions. Special emphasis on speech disorders and dialects.**Note:** Cross-listed with CMDS 563.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 464. Normal Speech and Language Development 4 Units**Term Typically Offered:** Spring Only**Description:** Reviews normal development of language and speech across the lifespan including syntax, semantics, morphology, pragmatics, and phonology. An overview of dialectical, cultural, and bilingual aspects are discussed as well as basic language sampling and analysis procedures.**Note:** Cross-listed with CMDS 564.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 470. Clinical Observation in Speech Pathology and Audiology 1 Unit**Grading Basis:** Pass/Fail**Term Typically Offered:** Fall Only**Prerequisite(s):** Restricted to graduate students only.**Description:** Observations in speech pathology and audiology. Additional observations may be assigned to introduce students to the variety of practicum opportunities available in the program.**Note:** Cross-listed with CMDS 570.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 471. Functional Neuroanatomy 3 Units**Term Typically Offered:** Fall Only**Description:** An overview of general neuroanatomy and neuroanatomical principles applied to communication and communicative disorders including hearing, speech, language, cognition, swallowing, and emotion.**Note:** Cross-listed with CMDS 571.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 563. Clinical Phonetics 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** Must be at least a Junior or Senior undergraduate student to register.**Description:** The International Phonetic Alphabet and other symbol systems are utilized in transcription of speech sounds. A description of speech sounds in terms of acoustics and physiologic dimensions. Special emphasis on speech disorders and dialects.**Note:** Cross-listed with CMDS 463.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 564. Normal Speech and Language Development 4 Units**Term Typically Offered:** Spring Only**Description:** Reviews normal development of language and speech across the lifespan including syntax, semantics, morphology, pragmatics, and phonology. An overview of dialectical, cultural, and bilingual aspects are discussed as well as basic language sampling and analysis procedures.**Note:** Cross-listed with CMDS 464.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 570. Clinical Observation in Speech Pathology and Audiology 1 Unit**Grading Basis:** Pass/Fail**Prerequisite(s):** Restricted to graduate students only.**Description:** Observations in speech pathology and audiology. Additional observations may be assigned to introduce students to the variety of practicum opportunities available in the program.**Note:** Cross-listed with CMDS 470.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 571. Functional Neuroanatomy 3 Units**Term Typically Offered:** Fall Only**Description:** An overview of general neuroanatomy and neuroanatomical principles applied to communication and communicative disorders including hearing, speech, language, cognition, swallowing, and emotion.**Note:** Cross-listed with CMDS 471.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CMDS 572. Anatomy and Physiology for Communication Sciences **4 Units**

Prerequisite(s): Restricted to graduate students only.
Description: Structure and function of speech, auditory/vestibular mechanisms. Includes neuroanatomy and neurophysiology of communication. Emphasis on clinical applications. Dissection of human cadaver material.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Computer Engineering & Computer Science (CECS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CECS 130. Introduction to Programming Languages **3 Units**
Term Typically Offered: Fall, Spring, Summer

Description: Introduction to programming languages with emphasis on C and C++, and a brief introduction to Java. It includes laboratory exercises on the writing and compiling computer programs in C, C++, and Java.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 220. Object Oriented Program Design with Java **3 Units**
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 130.
Description: Introduction to Object Oriented Program design principal concepts and program development using Java programming language. It includes laboratory exercises on the design and implementation of computer applications in Java.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 288. Computer Engineering and Computer Science Cooperative Education Seminar **0 Units**

Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Description: Discussion of the policies and procedures for cooperative education and instruction in self- directed job search techniques, including interviewing skills, resume preparation, and guidelines for the co-op report. This is a prerequisite for each cooperative education term.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 289. Computer Engineering and Computer Science Cooperative Education I **1 Unit**

Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CECS 288 and CECS 302.
Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 302. Data Structures **3 Units**
Term Typically Offered: Fall, Spring

Prerequisite(s): CECS 130.
Description: Study of information representations and relationship between the form of representation and processing techniques. Transformations between storage media. Referencing of information as related to the structure of its representation and implications for the design of the referencing language. Engineering applications and associated designs are used to illustrate different structures.
Note: Enrollment restricted to CECS students only.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 310. Discrete Structures **3 Units**
Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Third-year standing.
Description: Engineering applications using computer structures including algebraic computational structures, finite state machines, relational structures, propositional logic, trees, graphs, groups, machine equivalence, introduction to formal grammar. Applications of these structures to engineering problems including fluid flow, communication systems, artificial intelligence, digital logic, and algorithm evaluation. A written report is required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 311. Ethics, Social, and Legal Aspects on the Electronic Frontier 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Third-year standing.

Description: Examination of the legal, social and ethical issues associated with electronic information dissemination and manipulation with a focus on computer systems and networks. Topics include current issues and controversies that put the needs and desires of one group against those of other groups, including business, governmental and social interests. Students will be required to complete papers on the topics discussed and participate in class discussions. Technical writing and oral presentations are required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 389. Computer Engineering and Computer Science Cooperative Education II 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 289.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 393. Independent Study in Computer Engineering and Computer Science 1-6 Units

Term Typically Offered: Fall, Spring, Summer

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 412. Introduction to Embedded Systems 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 210 and Junior standing, or faculty consent.

Description: Introduction to embedded systems; assembly language programming, parallel and serial data transfer; polling, interrupts, and servicing of interrupts; software and hardware timing; analog-to-digital and digital-to-analog conversion. Laboratory projects on interfacing, system design, and implementation.

Note: Cross-listed with ECE 412.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 419. Introduction to Algorithms 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CECS 302 and CECS 310.

Description: This course covers an introduction to algorithms, spanning topics ranging from computational complexity to advanced tree and graph algorithms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 420. Design of Operating Systems 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CECS 302 or equivalent.

Description: The course is designed to cover basic concepts of operating systems design and implementation including processes management, memory management, input/output and file management, storage management, distributed systems, and security.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 489. Computer Engineering and Computer Science Cooperative Education III 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 389.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 503. Survey of Computer Engineering and Computer Science 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 130.

Description: Introduction to foundations of computer engineering and computer science for non-majors. Emphasis on C++ programming language, data structures and algorithms, and operating systems fundamentals. This course cannot be used to meet degree requirements for any CECS/CS/CSE degree.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 504. Automata Theory 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CECS 310.

Description: Finite state machines and their application to engineering problems including modeling the behavior of discrete systems. Topics include theory of computing, formal language theory, and applications of cellular automata. Engineering models of digital computer hardware are covered and related to software design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CECS 506. Modeling and Analysis of Engineering Systems 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 330.

Description: Representation of engineering systems, Fourier analysis, z-transforms, frequency response, state-space analysis, stability, an introduction to the basic theory of filter design, and demonstrated concepts to CAS.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CECS 510. Computer Design 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 210. Corequisite(s): ECE 511. Description: Review of logic design and elementary computer organization. Design of the central processing unit, memory, control, and input-output portions of a computer. The VHDL hardware design language will be used. Note: Cross-listed with ECE 510.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CECS 530. Design of Compilers 3 Units Term Typically Offered: Spring, Summer Prerequisite(s): CECS 420. Description: Engineering descriptions of algorithmic language. Study of syntax, semantics, ambiguities, procedures, replication, iterations, and recursion in the language. Engineering design of a compiler. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CECS 535. Introduction to Databases 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): CECS 302 or equivalent. Description: Course covers basics of database design, SQL, query processing, and optimization, transactions. The emphasis will be placed on Engineering design and implementation of relational systems. A written project is required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CECS 536. Data Management and Analysis 3 Units Term Typically Offered: Fall, Spring, Summer Description: The goal of the course is to teach, to the students who are not Computer Science majors, the basic skills needed to organize, assess and analyze data sets. The course discusses a variety of tools (file systems, database systems, and the R environment) as well as a series of basic tasks, from generating metadata to basic filtering, organizing and enrichment of data sets. This course contributes to develop analysis, modeling and problem-solving skills. Note: This course is intended for non-CECS majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CECS 540. Object Oriented Information Technology 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Graduate standing. Description: Survey of design and development of object oriented software. Software architectures, development environments, graphical user interfaces, and networks of distributed objects. Software design project required. Note: CECS students cannot receive credit for CECS 440 and 540.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CECS 542. Computer Control and Real Time Programming 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 412 or CECS 412. Description: Programmable Logic Controllers, Human Machine interfaces, SCADA, state machines, sensors, and actuators. Study of industrial algorithms, open/closed loop real-time control, and schematics. Note: Previously cross-listed with ECE 517.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CECS 516. Fundamentals of Computer Communications and Networks 3 Units Term Typically Offered: Spring Only Prerequisite(s): ECE 360 or IE 360, and CECS 412. Description: Data communications: The exchange of data between devices is covered. The key aspects of transmission interfacing, link control, and multiplexing are examined. Data communication networking: Examines the internal mechanisms by which communication networks provide a data transfer service for attached devices. Note: Cross-listed with ECE 518.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CECS 522. Performance Evaluation of Computer Systems 3 Units Term Typically Offered: Fall Only Prerequisite(s): IE 360 and CECS 420. Description: A study of approaches to the evaluation of computer systems. Measurement techniques and evaluation techniques are treated in detail with attention to existing commercial hardware and software monitors and simulators. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>CECS 525. Microcomputer Design 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): ECE 412 or CECS 412 or consent of instructor. Description: Design and construction of microcomputers with microprocessors and digital integrated circuits. Breadboarding, hardware design, and software design are emphasized. The class is separated into groups, and each group designs, breadboards, and tests a complete microcomputer system, including interfaces to peripheral devices. Note: Cross-listed with ECE 516.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CECS 528. Game Design and Programming 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CECS 302. Description: This course will provide an overview of Multimedia and Game programming, and teach basic computer game design techniques using state-of-the-art game engines. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>CECS 545. Artificial Intelligence Term Typically Offered: Fall Only Prerequisite(s): CECS 302 and CECS 310. Description: This course introduces the use of predicate calculus logic, heuristic search, and knowledge representations for solving engineering and computer science problems. The course includes coverage of rule-based expert systems, intelligent agents, and machine learning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CECS 568. Computer Forensics Term Typically Offered: Fall Only Prerequisite(s): CECS 311, CECS 420, and CECS 566, or consent of instructor. Description: Course examines legal, legal, administrative, technical and scientific issues in computer forensics, network forensics, information security and trusted systems. Course requires class participation, lab work, team projects, writing and oral presentations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CECS 550. Software Engineering Term Typically Offered: Fall, Spring Prerequisite(s): CECS 420. Description: Engineering methods applied to the life-cycle issues in the team-oriented development of large software systems including issues of software processes, metrics, testing and quality. Documentation of the project and an oral presentation are required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CECS 570. Mobile Device Program Term Typically Offered: Fall, Summer Prerequisite(s): CECS 220 or equivalent. Description: This course covers the basic concepts in designing and implementing applications running on Apple's iOS and Google's Android operating systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CECS 563. Experimental Design in Engineering Term Typically Offered: Fall, Spring, Summer Prerequisite(s): IE 360. Description: Design of engineering experiments and projects using theory of least squares, analysis of variance and co-variance, randomized blocks, Latin squares, factorial experiments and associated topics. Engineering design problems using SAS or equivalent software packages. Note: Cross-listed with IE 563.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CECS 590. Special Topics in Computer Engineering and Computer Science Term Typically Offered: Spring Only Description: Devoted to topics which usually are not treated in detail in the general courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-6 Units</p>
<p>CECS 564. Introduction to Cryptography Term Typically Offered: Summer Only Prerequisite(s): CECS 310 and IE 360. Description: This course gives a historical introduction to cryptology and the science of secret codes. The first part covers substitution ciphers, transposition codes, Vigenere cipher and more complex polyalphabetic substitutions including those created by rotor machines. The second part describes bit block cipher schemes such as Data Encryption Standard (DES). Public key encryption is the subject of the final part including RSA, Knapsack codes, and Diffie-Hellman key exchange. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CECS 593. Independent Study in Computer Engineering and Computer Science Term Typically Offered: Fall, Spring, Summer Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. Note: Chair Approval is required.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-6 Units</p>
<p>CECS 566. Information Security Term Typically Offered: Summer Only Prerequisite(s): CECS 311 and CECS 420. Description: Technical, legal and policy issues associated with information security. Authentication, trusted computer systems, information encryption, biometrics, computer forensics, and privacy issues. Written and verbal reports are required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CECS 596. CECS Capstone Design - CUE Term Typically Offered: Fall, Spring Prerequisite(s): CECS 525 (or concurrently) and CECS 550 (or concurrently); Senior standing. Description: This course requires solving a real-world design problem in computer engineering. It uses hardware and software design methods and tools learned in previous coursework emphasizing teamwork, written and oral communication. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

Computer Information Systems (CIS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any

given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CIS 150. Fundamentals of Information Systems 3 Units

Term Typically Offered: Fall, Spring

Description: This course provides an overview of contemporary information systems, and how they are used in organizations. It presents an introduction to the discipline of CIS and how information systems can be used to create competitive advantage. Topics include application/web development, including the system development life cycle, information security, business process management, and emerging technologies. Students will develop basic web sites including the use of HTML, CSS, and Javascript.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 199. Software Development I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CIS 150 (or concurrent) and CIS 305 (or equivalent).
Description: This course introduces object-oriented concepts such as the use of classes, methods, encapsulation, and inheritance. The course concentrates on using object-oriented programming to solve simple problems involving input and output. Computer lab sessions are used to reinforce programming concepts. Extensive programming assignments are required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 200. Software Development II 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CIS 199.
Description: This course emphasizes object-oriented software development. Students study the object model and apply it to systems development problems. Topics include polymorphism, inheritance, and object interaction. Event-driven programming of graphical user interfaces is introduced. Application areas may include data structures, searching, sorting, and databases. Extensive programming assignments are required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 201. Introduction to Web Programming 6 Units

Prerequisite(s): CIS 100 or CIS 250 (grade of C or better); MATH 107 (grade of C or better).

Description: This course provides an introduction to Web technologies and effective Web site design, implementation, and maintenance. The architecture of the Web, the use of the Web for sharing data, and models for using the Web to conduct business are explored. Students learn the fundamentals of web site design using languages such as HTML, JavaScript, and XML. Students become proficient in developing web sites for their own use. Additionally, this course introduces object-oriented programming using Java. Students learn the fundamentals of the object model, including the use of classes and encapsulation. The course concentrates on algorithmic development, with emphasis on sound techniques for designing, coding, debugging and documenting programs. Computer lab sessions are used to reinforce programming concepts. Extensive programming assignments are required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 202. Software Development III 3 Units

Prerequisite(s): CIS 200 (grade of C or better) or CIS 201 (grade of C or better).

Description: This course is a continuation of CIS 200. It emphasizes object-oriented development using a strongly typed language. Students study the object model and apply its use to systems development problems. Topics include polymorphism, inheritance, and object interaction. Event-driven programming of graphic user interfaces is introduced. Application areas may include data structures, searching, sorting and databases. Extensive programming assignments are required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 205. Information Systems in Organizations 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: This course helps students develop a working understanding of the differences between information systems and information technology, and how to apply those concepts to facilitate business processes successfully. Broad information systems literacy is a goal since all business majors must take this course. This course does not include computer lab sessions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 211. Operating Systems 3 Units

Prerequisite(s): CIS 200 (grade of C or better) or CIS 201 (grade of C or better).

Description: The course surveys basic computer architecture and operating system concepts. The student learns how the computer is built and organized, and how the operating systems function to manage available resources. The course provides experience with different operating systems such as Windows XP, UNIX/Linux, and MS-DOS. Topics covered include: data representations in the computer and base conversions; the CPU and memory; instruction types; I/O facilities; computer peripherals; operating system internals; file management; programming tools; and an introduction to client/server and web-based computing and applications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CIS 360. Business Data Communications Term Typically Offered: Occasionally Offered Prerequisite(s): CIS 111 or CIS 202; CIS 115 or CIS 215; CIS 211; MATH 205. Description: This course explores the fundamental concepts of business data communications and networking. Preliminary discussion will trace the evolution of telecommunications, its regulation over the years, laws governing telecommunications, and the role of regulatory bodies. Primary focus will be on data communications technologies and infrastructure used shared data among business organizations. Students study common network technologies and learn how to apply them to business situations. Topics include data transmission, terminal-host communication, TCP/IP, OSI model, Local Area Network (LAN) technologies, network standards, Wide Area Network (WAN), wireless communication, network management, communication security, security tools, privacy and ethics, and laws governing data communications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CIS 390. Special Topics Term Typically Offered: Occasionally Offered Prerequisite(s): CIS 199. Description: Practical information systems development experience using contemporary PC programming tools and environments. Topics will vary as technology evolves, and will include topics of current interest such as network administration, Rapid Application Development, and World Wide Web development. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>
<p>CIS 371. Excel Programming with VBA Prerequisite(s): CIS 100 or CIS 250; CIS 300; restricted to non-CIS Business students. Description: Practical information systems development experience using Microsoft Excel and Visual Basic for Applications (VBA). Students will learn to use Excel and VBA as a programming environment for creating information systems solutions. Topics might include an introduction to VBA, its main components and objects, and their properties, methods, and events. Through hands-on work, students will learn to develop solutions, debug, handle errors, and create custom reports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1.5 Units</p>	<p>CIS 391. Windows Network Administration Grading Basis: Pass/Fail Prerequisite(s): CIS 111 or CIS 202; CIS 115 or CIS 215; CIS 211; restricted to CIS students. Description: Practical network administration experience using Microsoft's client/server operating system. Students will learn to perform fundamental network administration and installation tasks. Topics might include account policies, network resources, permission for files and folders, printer environments, partitions, network transport protocols, and network services. Through hands-on work, students will learn to install and configure the operating system, create user and group accounts, monitor and manage network resources, and install and configure network services. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1.5 Units</p>
<p>CIS 380. Software for Business I Prerequisite(s): CIS 300; restricted to Accounting and Finance majors. Description: Experience with contemporary software products used in business. Students will acquire hands-on experience using the software in analyzing business problems or in creating information systems useful in business. Software products will vary as technology evolves, and will address topics of current interest such as project management, data storage and use, decision support, and web authoring. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>	<p>CIS 392. VB NET Programming Term Typically Offered: Occasionally Offered Prerequisite(s): CIS 111 or CIS 202; CIS 115 or CIS 215; CIS 211; restricted to CIS students. Description: Practical information systems development experience using Microsoft VB NET. Students will develop logical problem solving skills and methods for translating a problem description into appropriate logic structures and coding statements. Topics might include programming constructs, variables, arrays, procedures, commonly used VB controls, menus, and database access. Through hands-on-work, students will develop proficiency with programming logic, event-driven programming, objects and their use, and Windows application development. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1.5 Units</p>
<p>CIS 381. Software for Business II Prerequisite(s): CIS 300; restricted to Accounting and Finance majors. Description: A continuation of CIS 380 for students seeking additional experience with contemporary software products. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>		

CIS 396. Zero-Credit Internship-Computer Information Systems 0 Units

Grading Basis: Pass/Fail

Term Typically Offered: Occasionally Offered

Prerequisite(s): CIS 199 and CIS 300; good academic standing; validation through the Ulmer Career Management Center; students must be Computer Information Systems majors.

Description: A new workplace experience in an approved Computer Information Systems position which offers a progression of learning in a level appropriate opportunity for practical application of classroom theory and tools. This program is available to students who have received the maximum number of co-op credit hours for their major. Application to the zero-credit internship program and completion of orientation processes should be accomplished prior to employment.

Note: This course is restricted and requires permission from the Ulmer Career Management Center.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 397. Co-op in Computer Information Systems I 3 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CIS 199; CIS 300; CIS majors only.

Description: A new workplace experience in an approved CIS position that offers the student an opportunity for practical application of classroom theory and tools.

Note: Usually taken with CIS 398 for a total of six (6) hours of co-op credit for a six month, full time work place experience--students may register for CIS 397 and CIS 398 in one or two semesters.

Note: Application to the co-op program and completion of orientation processes should be completed prior to employment.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 398. Co-op in Computer Information Systems II 1-3 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CIS 397 (or concurrent); university GPA of 2.50; validation through the College of Business Co-op Office.

Description: A new or continued workplace experience in an approved CIS position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom concepts and tools.

Note: Usually taken concurrently with CIS 397 for a total of six hours of co-op credit for a six month, full-time work place experience; students may register for CIS 397 and CIS 398 in one or two semesters.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 399. Co-op in Computer Information Systems III 3 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Permission of College of Business Co-op Office.

Description: A new or continued workplace experience in an approved CIS position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 410. Management of Information Systems - CUE 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CIS 310, CIS 320, and CIS 350; Senior standing.

Description: Explores strategic development of information technology; value chain analysis and its application to information resource management; information systems planning; organizing, staffing, and controlling the deployment of information technology; the development of an IT platform and architecture consistent with organizational structure.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 411. Web Application Development 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): CIS 200, CIS 310, and CIS 350.

Description: This course introduces dynamic web applications and how they are developed. Students will understand the role of client-side and server-side technologies, and use web forms, various server controls and session objects to develop multipage web applications. Students will gain system development experience with current web development tools and platforms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CIS 415. Careers in Information Systems 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Occasionally Offered Prerequisite(s): CIS 310; CIS 215 or CIS 315; CIS 320; CIS 360. Description: Provides an assessment of the student's development as an information systems professional. The emphasis of the course is on completion and presentation of the student's information systems portfolio. Career development activities include: resume preparation and review, career planning, professional information systems organizations and networking, and lifelong learning opportunities. Taught on pass-fail basis. Note: Students are encouraged to enroll in this course during their last semester of CIS coursework.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 444. Data Analytics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): BSTA 201 or BSTA 301. Description: This course reviews and builds on the fundamental statistical concepts and techniques covered in the undergraduate Business Statistics course. Students will learn to model data and use analytical skills to solve real business problems. Topics include exploratory data analysis, estimation, statistical inference about populations, hypothesis testing, ANOVA, linear and multiple regression, and logistic regression. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 420. CIS Development Project 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): CIS 310, CIS 320 and CIS 350. Description: A continuation of CIS 320, this course focuses on the detailed design and implementation phases of the system development life cycle, including user acceptance testing, test planning, design reviews, and change procedures. Specifications created in CIS 320 are used to implement, test, and install a working version of an information system. System deployment emphasizes a web-based architecture. A prototyping approach is taken to develop and test the system in an iterative manner. Students are grouped into project teams, and each team member accepts task assignments necessary to deliver the information system prototype. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 445. Data Mining 3 Units Term Typically Offered: Fall Only Prerequisite(s): BSTA 201 or BSTA 301; CIS 310. Description: This course introduces basic data mining concepts and techniques and the application of data mining to business problems. Topics include data preparation, feature selection, predictive modeling, classification, clustering, evaluation, validation and scalability. The emphasis will be on the application of data mining techniques to problems in a business context. While there will be discussion about use of data mining tool and common techniques, the mathematics behind those techniques will not be the focus of this course. Data mining techniques about both structured and unstructured data (such as natural text) are discussed. Heavy use of a leading data mining software (e.g., SAS, SPSS) is expected. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 430. User Interface Design 3 Units Prerequisite(s): CIS 320. Description: This course provides a conceptual basis and practical guidelines for the design and development of graphical user interfaces. The course introduces Human-Computer interaction and human factor concepts. Design emphasis is placed on effective information presentation and usability concerns. Development of prototype user interfaces using contemporary GUI software, such as Visual Basic or Web development tools is required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 446. Business Analytics 3 Units Prerequisite(s): CIS 444. Description: This course provides a hands-on learning experience using advanced statistical tools (e.g., SAS and SPSS) that can be leveraged to work with structured data and generate business knowledge. This course covers sophisticated techniques, such as predictive modeling, time-series analysis, and growth modeling. After taking this course, students are expected to be able to: (1) solve common analytical business problems; (2) think systematically about if and how data can help make better-informed decisions; (3) and use business analytical tools. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 440. Object-Oriented Methods 3 Units Prerequisite(s): CIS 310; CIS 215 or CIS 315; CIS 320; CIS 360. Description: Information System analysis, design, and implementation using the object-oriented paradigm. Topics include inheritance, encapsulation, and polymorphism, and their use in design and implementing effective object-oriented systems. Exposure to an object-oriented CASE tool and programming with object-oriented language, such as C++, are expected. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 447. Advanced Business Analytics 3 Units Prerequisite(s): CIS 445 and CIS 446. Description: This course teaches students how to use state of the art analytical tools (e.g.; Hadoop, SAS Enterprise Miner) to handle data that comes in a variety of forms and sizes in more complex, less structured business situations. Students will participate in extensive hands-on work solving realistic business problems. This course guides students with handling optimization models, Monte Carlo simulations, and decision analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>CIS 450. Artificial Intelligence and Expert Systems 3 Units Prerequisite(s): CIS 310; CIS 215 or CIS 315; CIS 320; CIS 360. Description: Survey of AI/ES technologies and their application to the business environment. Topics include inference methods, inference engines, and knowledge bases. Development of an AI prototype, using expert system technology or neural network technology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 480. Introduction to Network Security 3 Units Term Typically Offered: Fall Only Prerequisite(s): CIS 350, CIS 481. Description: Basic concepts of networking, operations security, protocol features for security, transmission security, packet filtering, TCP wrappers, firewalls, computer viruses, physical protection, legal protection, liability issues, significance of National Security Directive 42, implications of Computer Security Act, CERT recommendations, assessment of threats and vulnerabilities of systems, security countermeasures, contingency planning, disaster recovery, risk management, and auditing and monitoring, policies and procedures dealing with storage and disposition of sensitive data. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 455. Computer Ethics, Social Issues and the Law 3 Units Prerequisite(s): CIS 150 and CIS 300. Description: Provides an introductory examination of the ethical, social, and legal aspects of computing. Topics include responsibilities for computer professionals, intellectual property, privacy, social interaction in electronic forums, policy and other current issues. Case studies, in-class discussion, and position papers are used extensively. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 481. Introduction to Information Security 3 Units Term Typically Offered: Summer Only Prerequisite(s): CIS 350. Description: Basic notions of confidentiality, integrity, availability, authentication models, protection models, security kernels, audit, intrusion detection, operational security issues, physical security issues, security system life cycle management, personnel security, policy formation and enforcement, trust modeling, risks and vulnerabilities assessment, basic issues of law and privacy, trade secrets, employee covenants, copyright, database protection, software and hardware validation, verification and certification. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 460. Advanced Networking 3 Units Prerequisite(s): CIS 360. Description: This course will cover material relating to network primarily, with several hands-on lab sessions using Cisco and other routers. The principal topics to be covered are: TCP/IP architecture, OSI 7-layer model, IP addressing, Subnet masking, study of protocols such as RIP, BGP, IGRP, IS-IS, X.25, ATM, ARP, OSPF, and networks such as DEC-net and AppleTalk. We will also discuss concepts involving hub, bridge, switch, router, cabling, Voice over IP, Telnet, FTP, Frame Relay, Virtual LAN, network security, security policies and procedures, and risk analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 482. Introduction to Cryptography 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): CIS 300; MATH 180 or MATH 205 or EAC 101. Description: Basic concepts of cryptology, historical ciphers, modern symmetric ciphers such as DES, public key cryptography (RSA, elliptic curve cryptosystems), efficient hardware and software implementations of cryptographic primitives, copyright protection (including the Digital Millennium Copyright Act), requirements for implementation of cryptographic modules, data integrity and authentication, digital signature schemes, key exchange and key management, standard protocols for secure mail, electronic payments, security aspects of mobile communications, key escrow schemes, Smart cards, and social implications of new technologies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 465. Advanced Cobol 3 Units Prerequisite(s): CIS 310; CIS 215 or CIS 315; CIS 320; CIS 360. Description: Analysis, design and implementation of advanced business information systems using the COBOL programming language. The course focuses on the COBOL 85 standard and covers aspects of the previous COBOL 74 standard so that students have the abilities needed to maintain and modify older "legacy" systems. Topics covered include: array processing and multilevel tables; advanced file sorting, merging, and searching; indexed and interactive file processing; subroutines; ALL statement; COPY statement; VSAM file concepts; and CICS and SQL concepts. The IBM COBOL compiler is used on a system running under the VM/CMS operating system. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CIS 483. Introduction to Database Security 3 Units Term Typically Offered: Spring Only Prerequisite(s): CIS 310 and CIS 481. Description: Basic data protection methods such as discretionary and mandatory access controls, secure database design, data integrity, secure architectures, secure transaction processing, information flow controls, and auditing, copyright and database protection, privacy issues (including employee records and HIPAA). Security models for relational and object-oriented databases, security of databases in a distributed environment, survey of commercial systems, and research prototypes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CIS 475. Enterprise Internet Computing 3 Units Prerequisite(s): CIS 310; CIS 215 or CIS 315; CIS 320; CIS 360. Description: Provides a framework to understand and evaluate current and emerging Internet-based technologies. The focus of the course is on understanding, designing, and implementing enterprise-level Internet systems. These secure, robust, scalable, and integrated solutions will be implemented using current web services architecture, such as J2EE. Case studies and projects provide hands-on exposure to these technologies and their applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

CIS 484. Computer Forensics 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): CIS 350 and CIS 481.

Description: Basic computer forensics concepts involving evidence collection, preservation, and presentation in court. Technology tools to analyze files, implications on privacy, ethics, policies, risk management and legal aspects will be covered.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 490. Special Topics in Computer Information Systems 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): CIS 310, CIS 320, and CIS 350.

Description: Explores contemporary topics of current interest in information systems, such as emerging telecommunications technologies, decision support, end-user computing, and distributed database management.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 499. Independent Study Computer Information Systems 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CIS 310, CIS 320, and CIS 350.

Description: Written proposal must be sponsored by at least one faculty member and approved by the Department Chair.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CIS 500. Computer Concepts for Managers 1.5 Units

Grading Basis: Pass/Fail

Prerequisite(s): ISDP 154 and ISDP 155; CIS 300.

Description: Fundamentals of application based software including spreadsheet, data manipulation and reporting, presentation graphics, and public network access.

Note: Pass/fail grading.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Criminal Justice (CJ)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CJ 160. Technology Forensics: Core Hardware Issues 2 Units

Term Typically Offered: Occasionally Offered

Description: This course is an introduction to computers as evidence sources and focuses on the installation, configuration, upgrading, troubleshooting and forensics possibilities of computer components.

Note: Competency testing available.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CJ 161. Technology Forensics: Operating Systems 2 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): CJ 160.

Description: This course is an introduction to computers as evidence sources and focuses on the installation, operation and forensics possibilities of operating systems of computing devices.

Note: Competency testing available.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CJ 162. Technology Forensics: Network 2 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): CJ 161.

Description: This course is an introduction to computers as evidence sources and focuses on the installation, operation and forensics possibilities of network systems of computing devices.

Note: Competency testing available.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CJ 200. Crime and Justice in the United States - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: This course focuses on the various processing stages, practices, and personnel in the criminal justice system. This course examines the problem of crime in American society. Both historical and contemporary components of the system, including the police, the courts, and correctional agencies are explored. This course is designed to provide the student with a broad-based understanding of both the effects of crime upon communities as well as the criminal justice system's response to crime in our contemporary society.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CJ 201. Law Enforcement in the United States - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The course focuses on evolution of policing including the history, policing paradigms, police organizations, and emerging issues in policing. This course examines the role of the police in the United States. Historical and modern forms of policing will be explored. The course provides students with a broad understanding of the role and function of the police in America.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CJ 202. Corrections in the United States - SB** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: This course is designed to provide an introduction to the history, practices, and issues related to the correctional function in American criminal justice. Topics included are: history of prisons; inmate subcultures and institutions; correctional issues such as overcrowding, stress, sexual violence, and administrative problems. Both adult and juvenile corrections will be covered.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 250. Investigative Interviewing & Testimony** **3 Units**
Term Typically Offered: Occasionally Offered
Description: An introductory course dealing with the principles and practices of interviewing. The course will include a review of interviewing theory and practical exercises intended to enable students interested in public service to gather information and make observations more effectively.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 300. Career Development and Cultural Intelligence - D1, SB** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): CJ 200.
Description: Perspective on career development in the field of criminal justice through awareness of cultural diversity also known as cultural intelligence.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 301. Introduction to Computer Forensics and the Analysis of Digital Media** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 160, CJ 161, and CJ 162; or consent of instructor.
Description: This course introduces students to the collection, preservation, presentation and preparation of computer-based evidence for the purposes of criminal law enforcement or civil litigation. These activities define the central roles of computer forensic practitioners involved in investigating computer crime scenes and torts involving computers.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 305. Criminal Behavior** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: An introduction to the theory, research, and findings of biological, psychological and sociological studies of criminality. Topics included are: the history of criminal theories; societal reactions to crime; deviant subcultures; and criminal organizations and institutions in society.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 306. Criminal Procedure** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: A course designed to provide an in-depth understanding of the procedural aspects involved in developing and prosecuting or defending criminal cases. The course focuses on the Constitutional issues involved during the various aspects of a criminal case, from investigation to arrest through trial and appeal. The concept of due process is examined. Specific attention is focused on the rights and limitations offered the prosecution and defense under the Bill of Rights. Topics included are: lineups, searches, arrests, "stop and frisk," bail extradition, preliminary hearings, arraignment, trials, sentencing, appeals, probation, parole, and the death penalty.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 325. Research Design** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CJ 200 or consent of instructor.
Description: An advanced study of the principles, data sources, and methods appropriate for criminal justice. Topics included are: library research; research design, sampling, scaling; questionnaire construction; and survey research, interviewing, and participant observation.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 326. Quantitative Analysis - QR** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Appropriate placement score or equivalent coursework.
Description: An introduction to the applications of quantitative research methods to the analysis of criminal justice practices and data. Emphasis is placed on the calculation, application and interpretation of statistical measures generated by computer software such as SPSS. Topics included are: measures of central tendency and dispersion; theories of probability and the normal curve; and parametric and nonparametric significance tests used in criminal justice research.
Note: Credit may not be earned for this course and MATH 109, PSYC 301, SOC 301, or MGMT 201.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 335. Court Administration** **3 Units**
Term Typically Offered: Occasionally Offered
Description: An intensive study of court organization, administration, and management from the professional court administrator's viewpoint. Topics included are: the history and evolution of court systems; functions of courtroom management; case flow management; and administration of both trial and appellate judicial offices.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 352. Sex Crimes** **3 Units**
Term Typically Offered: Fall, Spring
Description: An interdisciplinary study of the sex offender and crimes related to sexual conduct. Topics included are: sexual deviancy in society; the description and treatment of offenders; and the role of societal values and institutions on sexual behavior, norms, and mores.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CJ 354. Crime and the Media** **3 Units**
Description: The course covers the portrayal of crime in the mass media and examines how the media provides a distorted image of the true reality of crime and criminal justice, which in turn distorts public perception. This course will analyze how crime is socially constructed through media coverage and how mass mediated misperceptions of the reality of crime and criminal justice affect the actual operation of the various components of the criminal justice system and public policy. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 355. Criminalistics** **3 Units**
Term Typically Offered: Fall, Spring
Description: A survey of techniques, procedures and analysis of scientific crime investigation. Topics included are: the history of the scientific investigation of crime; research techniques in crime investigation and analyses including statistical and computer application; and the prosecutorial process and the role of scientific expertise. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 356. Crime Prevention** **3 Units**
Term Typically Offered: Fall Only
Description: An intensive study of the criminological and environmental theories and methods of crime prevention and reduction. Topics included are: the history of crime prevention approaches and theories; program development; case studies and research in crime prevention; and the overall problem of loss-prevention management in the United States. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 358. Private Security Management** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 200 or consent of instructor.
Description: An intensive study of the management functions of a private security agency. Topics included are: agency structure; personnel; legal status; budgeting; and supervision of a private security firm. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 360. Juvenile Justice** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CJ 200 or consent of instructor.
Description: A study of the theories and philosophies underlying the evolution and maintenance of the juvenile justice system in America as well as the structure and processes of the contemporary juvenile justice system. Topics included are: the history of the juvenile and the legal system; issues in juvenile justice; and the roles of the police, courts, and corrections in implementing the juvenile justice model. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 365. Community Corrections** **3 Units**
Term Typically Offered: Summer Only
Prerequisite(s): CJ 200 and CJ 202.
Description: Origins and evolution of correctional programs that function outside of total institutions. Topics included are: diversion programs, probation, parole, boot camps, home incarceration, electronic monitoring, halfway houses, and other community-based initiatives for adult and juvenile offenders. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 366. Introduction to Internet and Network Investigations** **3 Units**
Description: This course will cover network monitoring and measurement tools for network traffic collection and investigation, and data processing and forensics technologies for Internet based applications. The second part of the course will explore advanced topics in network security and forensics. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 370. Police Administration** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 201 or consent of instructor.
Description: An intensive study of police organization and administration. Topics included are: the history of police organization; the political environment of law enforcement agencies; the police function in other societies and cultures; and a survey of management functions. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 375. Social and Restorative Justice** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: This course links social justice and criminology while considering the causes of harm. Assumptions about crime and justice will be examined by comparing and contrasting retributive and restorative justice paradigms. A considerable portion of the course will be dedicated to confronting specific social justice issues.
Note: Cross-listed with SCHG 375.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 390. Criminal Court Procedures** **3 Units**
Prerequisite(s): CJ 306 or consent of instructor.
Description: An intensive study of criminal due process and legal procedures from apprehension to sentencing. Topics included are: federal and state processes of disposition, bail systems, extradition, preliminary hearing, arraignment, trial, appeal, sentencing, probation, parole, and release. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CJ 395. Criminal Law and Evidence** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Principles of criminal liability and the legislative and judicial processes by which acts and omissions are criminalized, investigated, and prosecuted. Topics include: crimes against persons, crimes against property, victimless crimes, and white collar crime. Exploration of issues related to legal capacity, defenses, and insanity. State and federal criminal rules of evidence identified and used to explain specific evidentiary issues relating to criminal law.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 400. Legal Issues in Corrections** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 200, CJ 202, and CJ 306; or consent of instructor.
Description: An overview of legal issues concerning the constitutional rights of the convicted offender. Topics included are: impact of court decisions upon correctional personnel and administration; use of force; rights of visitation; use of mail, solitary confinement, religion, legal services; probation and parole regulations; right to treatment; and civil liabilities of correctional officials.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 403. Prisons and Jails in the United States** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): CJ 200 and CJ 202; or consent of instructor.
Description: Issues involved in the design and operation of correctional institutions. In-depth examination of prison and jail construction and design, administration and management, career opportunities, programming needs, inmate culture and subculture and the interplay of legislative and case law.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 405. Crimes Against the Elderly** **3 Units**
Description: Course examines federal and state laws designed to protect the older adult population; topics include types of abuse, victim advocacy, perpetrator prosecution, community resources and protection services.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 406. Crime Victims and Victimization** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Overview of crime victimization and the criminal justice system response to crime victims.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 415. Substance Abuse, Crime and Criminal Justice** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): CJ 200 and CJ 202.
Description: Study of history, origin, extent and causes of substance abuse, focusing on relationships between substance abuse, criminal activity, and criminal justice agencies.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 420. Computer Applications in Criminal Justice** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 200 or consent of instructor.
Description: An applied introductory course to computer applications relevant to criminal justice and criminology. Topics include data collection and entry, basic data analysis, electronic research methods, and web page design with an emphasis on the use of computer software and hardware in criminal justice agencies.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 421. Organized Crime** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 200 and CJ 305; or consent of instructor.
Description: Interdisciplinary exploration of major issues related to organized crime. Topics include historical aspects, theoretical perspectives and criminal activities commonly associated with organized crime efforts.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 425. Profiling Violent Crimes** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Junior standing or consent of instructor.
Description: Examination of the basic concept of criminal assessments of fatally violent crimes. Topics include organized and disorganized criminal personalities, stages of violent homicides, blood spatter interpretation, the process of homicide investigation, media issues, typology of violent personal offenders and various types of murderous personalities.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 426. Violence in the United States: The Criminal Justice Response** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): CJ 200 and Junior standing; or consent of instructor.
Description: Various forms of personal violence such as spouse abuse, child physical and sexual abuse, abuse of the elderly, rape, criminal assaults and battery, abuse in the workplace, and other forms of abuse will be discussed. Special emphasis directed toward the role of the criminal justice system.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 430. Environmental Crime** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Provides an understanding of both the theoretical and practical legal issues relating to environmental Criminal Justice, including an introduction to criminological solutions to environmental problems.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- CJ 435. Comparative Criminal Justice Systems - WR** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Overview of international criminal justice systems and various issues, that arise in criminal justice systems throughout the world.
Note: Approved for the Arts and Sciences Upper-Level Requirement in Written Communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 440. Human Trafficking: Critical Thinking About Modern-Day Slavery** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: In depth analysis of trafficking in human beings as a crime prompted by supply and demand. Content includes: definitions of human trafficking, human trafficking as a transitional crime, characteristics of the crime of trafficking in human beings and strategies to most effectively deal with this crime.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 445. Computer and Electronic Crime** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Examination of legal policy and technical issues of computer and electronic crime. Class participation, writing, and oral presentations will be integral components of the course.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 450. Internship** **3-6 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Permission of chair or internship coordinator.
Description: An internship in an agency that participates in the administration of justice or private security. Written reports of activities and a comprehensive summary of learning experiences will be required.
Note: Application must be made and approved prior to enrollment.
Note: Preference will be given to students currently majoring in Criminal Justice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 460. Correctional Treatment and Rehabilitation** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): CJ 200 and CJ 202; or consent of instructor.
Description: A study of the techniques and methods employed by the correctional system in attempting to influence and to change client behavior. Topics included are: the history of offender treatment; the nature and variety of current treatment programs; studies of treatment effectiveness; and the future of treatment and rehabilitation in the United States.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 471. Police Administration** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Consent of department chair.
Description: A discussion of police administration, organization, and functions. Administration is approached from the points of view of a police executive and his or her principal aides. Emphasis encompasses both reality and theory. Contemporary management thought is emphasized.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 473. Legal Issues in Police Administration** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Consent of department chair.
Description: Detailed analysis of legal issues in police administration and management. Emphasis on the development of policies, procedures, and practices to avoid liability resulting from administrative operations. The case method is used to study emerging trends and current issues.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 474. Police Supervision** **3 Units**
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 477. Organizational Behavior in Law Enforcement** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Consent of department chair.
Description: Basic principles of human behavior with emphasis on the application of these principles to police work in organizational settings.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 485. Seminar in Criminal Justice - CUE, WR** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CJ 200, CJ 325, and CJ 326; Senior standing or consent of instructor.
Description: Senior level seminar designed to explore and discuss issues, problems, and challenges in the administration and management of criminal justice organizations.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- CJ 488. Senior Project / Practicum / Moot Court** **3 Units**
Prerequisite(s): CECS 568.
Description: This is a capstone course where students demonstrate the ability to incorporate the knowledge and skills from previous courses. Includes a moot court where students are required to create an exhibit for a case on which they have worked. The moot court tests students via direct examination and cross-examination in a courtroom setting.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>CJ 493. Police and the Community 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Senior standing or consent of instructor. Description: Course will explore the relationship between the community and those who police it. Topics to include: the history of police and their origin, aspects of police community relations, and the paradigm of Community Oriented Policing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 499. Honors Thesis - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Senior standing and admission to department honors program. Description: Intensive examination of a topical area in criminal justice. Students work individually with designated faculty advisor to develop and complete original individual research projects. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CJ 495. Independent Study/Directed Readings 1-6 Units Term Typically Offered: Fall, Spring, Summer Description: A research project or a series of directed readings under the supervision of a full-time faculty member. Written papers based on the student's program of study may be required. The purpose of this course is to enable students to independently pursue specialized interests in criminal justice issues and topics. Note: Enrollment is limited and no more than 6 hours of credit may be counted towards a bachelor's degree in Criminal Justice. Note: Students must submit a written request, including topic of interest, to the chair.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 500. Crime and Criminal Justice in the Cinema 3 Units Prerequisite(s): Senior standing. Description: This course examines media representations of the criminal justice system in historical context and with global perspective to show the congruence and disparities between popular film and reality. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CJ 496. Special Topics in Criminal Justice 3 Units Term Typically Offered: Fall, Spring, Summer Description: A course designed to address specialized topics in criminal justice. Note: Course topics will vary (see specific semester schedule).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 505. International Terrorism 3 Units Term Typically Offered: Occasionally Offered Description: Investigation of international terrorism and terrorist organizations, focusing on causes, operations, organization, funding, threats and futures. Biological, chemical, nuclear and cyberspace terrorism are explored. Features of the impact of the media on terrorism, counter-terrorism, use of technology and prevention. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CJ 497. Honors Seminar 3 Units Prerequisite(s): Junior standing. Description: Intensive investigation of a major substantive or theoretical area within the criminal justice system. Note: Restricted to honors program students.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 507. Crime Prevention Through Environmental Design 3 Units Description: Introduction to the concept of Crime Prevention Through Environmental Design (CPTED). Emphasis will be placed on opportunity theories of crime and their application as well as means through which crime can be prevented using the built environment to reduced crime opportunity. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CJ 498. Honors Seminar - WR 3 Units Prerequisite(s): Junior standing. Description: Intensive investigation of a major substantive or theoretical area within the criminal justice system. Note: Restricted to honors program students. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 509. Crime Analysis 3 Units Description: Crime analysis is a fairly new topic in criminal justice education. This course provides students with an opportunity to apply theory to crime data while learning introductory techniques of crime analysis and mapping. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>CJ 499. Honors Thesis - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Senior standing and admission to department honors program. Description: Intensive examination of a topical area in criminal justice. Students work individually with designated faculty advisor to develop and complete original individual research projects. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>CJ 516. Juvenile Justice Issues 3 Units Description: An interdisciplinary seminar. Focuses on issues pertinent to the criminal justice system that reflect conflicting perspectives. This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>CJ 517. Gangs in America</p> <p>Description: One of the main purposes of this course is to examine one of the most polarizing, difficult to research topics in Criminal Justice: Gangs. By exploring these dynamics and connections, the course will address the history, research, legislation, and policy implications related to Gangs, and the criminal justice system's response to Gangs. This course is divided into four points: 1) Defining Gangs, and the Historical Perspective of Gangs 2) Theoretical Basis of Gangs and Gang Involvement 3) Current Gang Trends, and 4) Gang Prevention/ Intervention.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CJ 522. Serial & Mass Murder</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Prerequisite(s): Senior standing or consent of instructor.</p> <p>Description: Examination of serial murder and mass murder in the United States. Topics include serial murder and its relation to race and gender; the media and serial murder; and profiling. Mass murders, in which victims are killed within a few moments or hours, will also be examined. Topics include mass murder's impact on communities; political and religious ideologies; specific institutions victimized by mass murder; and political, community, and law enforcement responses.</p> <p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CJ 519. Domestic and Family Violence</p> <p>Description: A course addressing issues relating to family violence, includes examination of partner abuse, child abuse, and elder abuse throughout the life-course.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CJ 523. Race and Gender Issues in Criminal Justice - WR</p> <p>Term Typically Offered: Occasionally Offered</p> <p>Prerequisite(s): Junior standing or consent of faculty.</p> <p>Description: This course will study the dynamics of racial discrimination and racial disparity in the U.S. and how it affects the criminal justice system.</p> <p>Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CJ 520. Capital Punishment - WR</p> <p>Term Typically Offered: Occasionally Offered</p> <p>Prerequisite(s): Senior standing or consent of instructor.</p> <p>Description: Seminar of issues related to the death penalty, including: constitutional questions, the effect of death row incarceration, and public attitudes toward the death penalty. Research on Kentucky will be featured.</p> <p>Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CJ 530. Intro to Homeland Security</p> <p>Term Typically Offered: Occasionally Offered</p> <p>Description: This course outlines the philosophy, purpose, and rationale for a separate governmental agency whose primary mission is focusing on domestic security. This course will also examine issues related to international and domestic terrorism and their effect(s) on trends in homeland security.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>CJ 521. White Collar Crime - WR</p> <p>Term Typically Offered: Occasionally Offered</p> <p>Prerequisite(s): CJ 200 and CJ 305, or consent of instructor.</p> <p>Description: A study of white collar and occupational crime. Course will focus on the concept, theoretical explanations, the extent and nature of various types of white collar and occupational crime in both public and private sectors.</p> <p>Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>CJ 531. Covert Operations in Policing</p> <p>Description: This course is an introduction to intelligence in policing and law enforcement with an emphasis on three key topics: 1) developing awareness and understanding of human intelligence (HUMINT) as a primary means of collecting information required to develop intelligence for solving, predicting, and hindering crime & criminal behavior; 2) developing skills in selecting and using analytical tools used by law enforcement intelligence and crime analysts: association and activities matrices, link analysis diagrams, social network analysis, pattern wheel analysis, mind mapping, concept map, and others; and 3) understanding the critical role of planning in law enforcement and the relationship between planning, operations and intelligence.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

CJ 576. Managing Organizational Performance 3 Units**Prerequisite(s):** Consent of department chair.**Description:** Examination of factors affecting the management of organizational performance. Designed to help participants develop conceptual diagnostic and problem solving skills required of strategic managers in contemporary law enforcement organizations. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CJ 578. Criminal Justice Leadership - WR 3 Units****Description:** Through the use of lectures and case studies (films), participants will be provided with a cognitive understanding of leadership that emphasizes the study of leadership models and theories. Study and evaluation of various leadership styles and processes.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CJ 580. International Service Learning: Criminal Justice Seminar 3 Units****Prerequisite(s):** Approval of program director.**Description:** Study of criminology and criminal justice with a cross cultural perspective. Comparative criminal justice research regarding particular problems and issues in the host country will be conducted and examined. Travel outside the U.S. required.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CJ 596. Seminar in Criminal Justice 3 Units****Description:** An interdisciplinary seminar. Focuses on issues pertinent to the criminal justice system that reflect conflicting perspectives.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**CJ 597. Ethics in Criminal Justice - WR 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** Senior standing or consent of instructor.**Description:** A study of the need for ethics in criminal justice. The aims of ethics, ethical theories, ethical issues related to law making, law breaking and law enforcement.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Criminalistics and Criminology (CC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CC 477. Criminal Justice Behavior Dynamics 3 Units**Description:** A study of the basic principles of human behavior with emphasis on the application of these principles to police work in organizational settings. Consideration is given to the dynamics of both individual and group behavior in working environments. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Critical and Curatorial Studies (CCS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

CCS 547. Introduction to Critical and Curatorial Studies I 3 Units**Prerequisite(s):** Consent of instructor.**Description:** An introduction to curatorial practice of the last 30 years. Focusing on the curator's increasingly prominent role in the reception and synthesis of contemporary art, the course explores developments in exhibition design in terms of art production, international exchange, globalization, and critical theory.**Note:** Cross-listed with ARTH 547.**Note:** A student may receive credit for only one of the courses: ARTH 547, CCS 547, ARTH 647, CCS 647.**Note:** Formerly Museum Methods I.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

CCS 548. Critical and Curatorial Studies II **3 Units**

Prerequisite(s): ARTH 547, or CCS 547, or ARTH 647, or CCS 647, or consent of instructor.

Description: This seminar is structured as a curatorial practicum. Students work with the professor to develop and produce an exhibition from the university's print collection. Throughout the semester, weekly readings and presentations focus on contemporary exhibition practice as well as on the theoretical and critical concerns undergirding the student's developing exhibition.

Note: Cross-listed with ARTH 548.

Note: A student may receive credit for only one of the following courses: ARTH 548, ARTH 648, CCS 548 and CCS 648.

Note: Formerly taught as Museum Methods II.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Dental Hygiene Education (DHED)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

DHED 101. Dental Hygiene Academic Orientation **1 Unit**

Term Typically Offered: Fall Only

Prerequisite(s): Admission to Dental Hygiene Lower Division.

Description: This course is designed especially for dental hygiene students. It will include understanding a career in dental hygiene, academic policies and requirements, and making use of the diverse resources offered at a metropolitan research university.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 301. Dental Hygiene Theory I **3 Units**

Term Typically Offered: Fall Only

Description: Provides the fundamentals of scientific knowledge and clinical skills necessary for entering the clinical phase of the curriculum of dental hygiene.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 302. Dental Hygiene Principles of Practice I **2 Units**

Term Typically Offered: Fall Only

Description: This course is a laboratory course teaching students the concepts and principles of dental instrumentation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 303. Dental Anatomy **2 Units**

Term Typically Offered: Fall Only

Prerequisite(s): Students must have completed or be in the process of completing all of the prerequisite lower division courses.

Description: Nomenclature, morphology, structure, function and occlusion of teeth.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 304. Radiography **2 Units**

Term Typically Offered: Fall Only

Description: History and development of the x-ray, its nature and properties, safety precautions, and uses of the x-ray in dentistry. Theory in the fundamentals of oral radiographic technique, darkroom processing, and dental radiographic analysis.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 305. Structural Biology of Head and Neck **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): Acceptance into the Dental Hygiene Program.

Description: Origin and structure of tissues, histology and embryology of teeth, face and oral cavity. Biochemistry as it relates to oral structures. Study of anatomy of oral structures.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 307. Physical Diagnosis and Medical Management **3 Units**

Term Typically Offered: Fall Only

Description: Course teaches clinical patient evaluation, emphasizing medical histories and vital signs. Students learn to recognize and manage patients who need treatment and modifications or special precautions for safe dental care.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

DHED 308. Pre-Clinical Radiography **1 Unit**

Term Typically Offered: Spring Only

Prerequisite(s): DHED 304.

Description: Laboratory experiences in film placement, film mounting, exposure and processing techniques. Application of the techniques of radiographic surveys.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>DHED 309. General and Oral Pathology 3 Units Term Typically Offered: Spring Only Description: Study of disease mechanisms affecting the human body, with particular emphasis on diseases of the oral and paraoral structures. Clinical diagnostic criteria are emphasized and correlated with pathological entities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 315. Pain and Anxiety Control 3 Units Term Typically Offered: Summer Only Prerequisite(s): Acceptance into the Dental Hygiene Program. Description: Provides basic understanding in the use of local anesthesia and anxiety management techniques for the control of pain and anxiety in the clinical practice of dental hygiene. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 310. Periodontology 3 Units Term Typically Offered: Spring Only Prerequisite(s): DHED 306 and acceptance into the Dental Hygiene Program. Description: An understanding of the etiology, mechanisms and processes involved in periodontal disease. Emphasis on integration of research findings to provide evidence-based periodontal therapy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 316. Community Dental Health I 2 Units Term Typically Offered: Summer Only Description: Course provides students with an overview of the dental health care system, introduces students to epidemiological study methodologies, explores selected dental public health practices and introduces basic skills in program planning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 311. Dental Materials 3 Units Term Typically Offered: Spring Only Prerequisite(s): Acceptance into the Dental Hygiene Program. Description: Physical properties of dental materials and basic principles of their preparation. Students work on typodonts, placing rubber dams, applying matrices, inserting bases and restorative material in anterior and posterior prepared teeth. Polishing of restorations and taking impressions for diagnostic study models are introduced. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 402. Pharmacology 3 Units Term Typically Offered: Fall Only Description: Course focus is drugs and anesthetics, with emphasis on those used in the dental office. Discussion of the origin of drugs and anesthetics, physical and chemical properties, preparation, mode of administration and effects on body systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 312. Oral Health Education 2 Units Term Typically Offered: Spring Only Description: Course addresses theories and principles of health education, assessment and evaluation techniques, and teaching strategies with regards to oral health education. Will include information specific to selected topics such as tobacco cessation, nutritional counseling, and community health education. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 403. Evidenced Based Practice 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Acceptance into the Dental Hygiene Program. Description: This course is designed to provide students with the analytical skills needed to interpret and evaluate studies that include the collection and analysis of data. The course focuses on research design, and descriptive and inferential techniques commonly used research activities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 313. Dental Hygiene Theory II 3 Units Term Typically Offered: Spring Only Prerequisite(s): DHED 301. Description: This course is a continuation of DHED 301. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 404. Special Needs Patients 2 Units Term Typically Offered: Fall Only Description: Course teaches students about the management of dental patients with a variety of physical, emotional, and psychosocial needs. Will include information about the demographic and sociological trends concerning the elderly and will relate those trends to the dental care delivery system. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 314. Dental Hygiene Principles of Practice II 3 Units Term Typically Offered: Spring Only Prerequisite(s): DHED 302. Description: This course is the laboratory continuation and beginning clinical component of DHED 302. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 405. Advanced Periodontology I 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall Only Prerequisite(s): DHED 310. Description: Introduction to the use of chemotherapeutics in the treatment of periodontal disease. Use of case studies to enhance recognition of periodontal disease and identification of subsequent treatment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>DHED 406. Community Dental Health II 2 Units Term Typically Offered: Fall Only Prerequisite(s): DHED 316. Description: Course focuses on skills development in assessment, planning, implementation, and evaluation of dental public health programs. Will include practicum to enhance student experience in program planning skills. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 412. Dental Hygiene Principles of Practice IV 4 Units Term Typically Offered: Spring Only Prerequisite(s): DHED 314 and DHED 408. Description: Continuation of DHED 408. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 407. Advanced Technology and Patient Care Procedures I 2 Units Term Typically Offered: Fall Only Description: Correlation of medical conditions to dental hygiene treatment utilizing both lecture and case study seminars. Emphasizes the application of information technology to improve the management of diagnostic data. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 413. Advanced Periodontology II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Spring Only Prerequisite(s): DHED 310 and DHED 405. Description: Continuation of DHED 405. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 408. Dental Hygiene Principles of Practice III 4 Units Term Typically Offered: Fall Only Prerequisite(s): DHED 314. Description: Continuation of DHED 314 including rotations to dental clinics in other facilities to further acquaint students with diverse oral and medical conditions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 414. Advanced Technology and Patient Care Procedures II 1 Unit Term Typically Offered: Spring Only Prerequisite(s): DHED 407. Description: Continuation of DHED 407. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 409. Clinical Radiography I 1 Unit Term Typically Offered: Fall Only Prerequisite(s): DHED 308 and DHED 304. Description: Clinical application of radiography and radiology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 415. Dental Hygiene Ethics and Practice Management 2 Units Term Typically Offered: Spring Only Description: Role of the dental hygienist as related to the health professions and to the dental hygiene association; relationship of the dental hygienist to members of the health team; principles of professional ethics, laws, rules and regulations covering the practice of dental hygiene and dentistry; introduction to the administration and management of a dental health team. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 410. Advanced Radiology 1 Unit Term Typically Offered: Spring Only Prerequisite(s): DHED 409. Description: This course teaches advanced extra oral radiography, advanced interpretation and introduction into radiographic case studies. Some campus visits are required to complete the course requirements. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>DHED 417. Dental Hygiene Extramural Education - CUE 2 Units Term Typically Offered: Spring Only Description: Extramural clinical rotation that affords the student an opportunity to provide patient care and community service projects within a health care delivery system. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>DHED 411. Clinical Radiography II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Spring Only Prerequisite(s): DHED 409. Description: Clinical application of radiography and radiology. A continuation of DHED 409. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>Economics (ECON) Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm). 500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that</p>

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ECON 201. Principles of Microeconomics - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: An introduction to the supply and demand model of price determination. Includes a theoretical treatment of consumer and producer behavior, a study of industrial structures, and the economic foundation for public policy. Topics may include pricing decisions, entrepreneurship, labor markets, taxation, foreign exchange rates, and advertising.

Note: May be taken before ECON 202.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 202. Principles of Macroeconomics - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: An introduction to the U.S. economy, including long-term structural developments and short-term fluctuations. Theoretical models are presented to explain changes in national output, the price level, employment, and unemployment. Competing macroeconomic models are examined and contrasted. The models provide a framework for studying fiscal and monetary policy, and the effectiveness of macroeconomic policy during recent economic history is evaluated.

Note: May be taken before ECON 201.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 301. Intermediate Microeconomics 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECON 201 and ECON 202.

Description: A more advanced treatment of the foundations and applications of microeconomic theory. The standard model of consumer and producer behavior is presented, with a rigorous examination of assumptions and deductions. The model is used to describe market determination of price and quantity of goods and services. Different industrial structures are studied, and the analyses are used to evaluate government policies that affect economic behavior.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 302. Intermediate Macroeconomics 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECON 201 and ECON 202.

Description: A survey of macroeconomic theory with emphasis given to the evolution of the various models that attempt to explain the growth in national output and the price level. Both static and dynamic models are studied. Applications cover both historical and current macroeconomic problems for the United States and the world economy.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 312. Urban Economics 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ECON 201 and ECON 202.

Description: Economic theory with a spatial dimension, as applied to urbanized regions. Topics include: land rents, population density, housing markets, distribution of office and manufacturing activity, labor markets, education, public safety, transportation, and economic development.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 321. Money and Banking 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ECON 201 and ECON 202.

Description: An introduction to the role of money and financial institutions in the economy. An emphasis is placed on the role of the central bank in money creation and the implementation of monetary policy. Analysis of impacts and developments of current financial regulations in a global financial world.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 331. Labor Economics 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECON 201 and ECON 202.

Description: Applies microeconomic theory to the labor market. Emphasis is on the effect of government policies such as minimum wages and welfare reform on individual welfare. Other topics include human capital investments, wage/non-wage trade-offs, and unemployment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 341. Public Finance 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ECON 201 and ECON 202.

Description: The use of microeconomic theory to examine the effects of government taxation and spending. Topics include externalities, public goods, tax and expenditure incidence, cost-benefit analysis, and optimal tax policy.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 342. State and Local Government Finance 3 Units

Term Typically Offered: Fall, Summer

Prerequisite(s): ECON 201 and ECON 202.

Description: A systematic application of microeconomic theory to decisions involving demand, production, cost, supply and financing of state and local public services. Also addresses current theoretical and policy issues in the area of intergovernmental fiscal relations, the incidence of state and local taxes and expenditures, the reform of structure and reform of state and local debt.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ECON 350. The Economics of Entrepreneurship 3 Units Prerequisite(s): ECON 201 and ECON 202 and Junior standing. Description: The application of economic theory to business decision making, with an emphasis on new venture creation. Topics include history of entrepreneurship and entrepreneurial thought, the economics of risk and uncertainty, innovations, economic growth, and industrial studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 380. Introduction to Econometrics 3 Units Term Typically Offered: Spring Only Prerequisite(s): ECON 201, ECON 202, and BSTA 301. Description: A study of the theory and application of econometric analysis. Topics include simple and multiple linear regression, correlation, and hypothesis testing. Both conceptual and practical problems are considered, including multicollinearity, heteroscedasticity, and measurement errors. An introduction to simultaneous equation estimation is also presented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 355. Health Economics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ECON 201 and ECON 202. Description: Examines health care issues by applying microeconomic theory. Particular emphasis on health insurance, managed care, health care production and physician services. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 395. Economics Colloquium 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECON 201 and ECON 202. Description: This is a one-hour course in Economics that is conducted as a reading course. Students are assigned readings that are discussed in class. Note: May be taken up to three times if different course reading assignments are made. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 360. Environmental Economics 3 Units Term Typically Offered: Fall Only Prerequisite(s): ECON 201 and ECON 202. Description: This course will give basic insights into why environmental damages and degradation arise, and how such market failures may be addressed. The course covers topics such as environmental valuation, property rights and externalities, sustainable development, poverty and the environment, trade and the environment, climate change policies, and population growth. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 396. Zero-Credit Internship-Economics 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECON 201 and ECON 202, good standing, and validation through the Ulmer Career Management Center. Description: Application to the zero-credit internship program and completion of orientation processes should be accomplished prior to employment. Students must be Economics majors. A new workplace experience in an approved Economics position which offers a progression of learning in a level appropriate opportunity for practical application of classroom theory and tools. This program is available to students who have received the maximum number of co-op credit hours in their major. Note: This course is restricted and requires permission from the Ulmer Career Management Center. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 365. Law and Economics 3 Units Term Typically Offered: Fall Only Prerequisite(s): ECON 201 and ECON 202. Description: This course will explore field of law and economics. Standard microeconomic tools are used to examine torts, contracts, and property as well as theory and empirical evidence on criminal behavior. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 397. Co-op in Economics I 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECON 201 and ECON 202, University GPA 2.5, and validation through the College of Business Co-op Office. Description: Application to the co-op program and completion of orientation processes should be completed prior to employment. Students must be Economic majors. A new workplace experience in an approved Economic position which offers a progression of learning in a level and appropriate opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 370. Public Choice and Political Economy 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ECON 201 and ECON 202. Description: This course studies markets, public goods, externalities, and efficiency. Additional topics include voting, redistributive politics, regulation, social justice, political behavior and public policy, coalition bargaining, and lobbying. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ECON 375. Capitalism and Economic Freedom 3 Units Term Typically Offered: Fall Only Prerequisite(s): ECON 201 and ECON 202. Description: This course examines the historical foundations, different views, and the outcomes of capitalism. The course compares economic freedom and growth among countries. Arguments against and defenses of capitalism are examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>ECON 398. Co-op in Economics II 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of ECON 397, University GPA 2.5 and validation through the College of Business Co-op Office. Description: A new or continued workplace experience in an approved Economic position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 414. Applied Financial Econometrics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301 or faculty consent. Description: Econometric application of economic and financial concepts and principles related to corporate finance, investments, financial markets, and international finance. Quantitative techniques include time series analysis, exponential smoothing, and regression analysis. Note: Cross-listed with FIN 414. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 399. Co-op in Economics III 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Permission of the College of Business Co-op Office. Description: A new or continued workplace experience in an approved Economic position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 421. History of Economic Thought 3 Units Term Typically Offered: Spring, Summer Prerequisite(s): ECON 201 and ECON 202. Description: An exploration of the theory and method of economic analysis and the emergence of economic thought. Covering ancient times to the present, study centers on mercantilism, classicism, marginalism, neoclassicism, and contemporary thought. Attention is given to the context of the framework of ideas that surrounded economists' theoretical contributions. Alternative approaches, such as Austrian economics and historicism are also examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 401. Mathematical Economics 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MATH 205 and ECON 301; or faculty consent. Description: The mathematical tools of modern economics, illustrated with economic applications. Topics include the calculus of optimization problems, linear algebra, equilibrium conditions for systems, dynamic models, difference and differential equations, and mathematical programming. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 431. International Trade 3 Units Term Typically Offered: Spring Only Prerequisite(s): ECON 201 and ECON 202. Description: An introduction to international trade theory, the balance of payments, foreign exchange markets, and trade policies between countries. The postwar problems, international agencies, and the changing structure of international trade are discussed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECON 402. Econometrics II 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ECON 301; ECON 380; and MATH 180 or MATH 205. Description: This course reviews statistical inference using multiple regression (OLS) analysis and model specification. Additional topics include panel data methods, instrumental variables, two-stage least squares with IV methods, simultaneous equations models, limited dependent variable models using MLE and presentation of results in technical presentations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECON 433. Financial Markets and Institutions 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301. Description: This course provides a study of financial institutions such as banks and financial instruments and markets such as the stock, bond, money and mortgage markets. The course integrates macro-economic concepts such as interest rate determination and the role of the Federal Reserve with asset valuation and the movement of capital in the financial marketplace. Commercial bank financial statements and key risks are covered. Periods of financial crises are also examined. Options, futures and swaps are discussed in the context of hedging risks in banks and other types of firms. The course builds heavily on the concepts of time value of money and risk and return, as developed in previous courses. Note: Cross-listed with FIN 433.</p>
<p>ECON 410. Advanced Price Theory 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ECON 301, ECON 302, and MATH 205; or faculty consent. Description: This course extends the formal analysis of microeconomic theory to include market imperfections covering monopoly power, agents with limited information, externalities, and choice under uncertainty. Extensions also include an introduction to macroeconomic modeling relying on explicit microfoundations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

ECON 439. Emerging Market Economies **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): ECON 201 and ECON 202.

Description: The organization and operation of Soviet-type and developing-world economies. Both theory and practice are examined. The nature and goals of the planning process, resource allocation, public finance, pricing and foreign trade are discussed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 442. Public Policy and Industrial Organization **3 Units**

Term Typically Offered: Spring Only

Prerequisite(s): ECON 201 and ECON 202.

Description: Economic analysis of different market structures including study of price behavior, cost and profit, and economic welfare. Attention is also given to government policy toward the business sector, including antitrust policy, regulation of business and public ownership of business. Specific attention is given to vertical integration, measurement of industrial concentration, conglomerate pricing behavior, technological innovation and its impact on market structure, and the economics of the patent system.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 475. Senior Economics Seminar - CUE **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): MATH 180 or MATH 205; ECON 301; ECON 302; and Senior status.

Description: A synthesis of theoretical and empirical training applied to a variety of economic questions. Major topics drawing from microeconomics and macroeconomics are discussed in a seminar/workshop format. A senior paper is required.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 490. Special Topics in Economics **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): ECON 201.

Description: A variety of topics in economic theory and/or its application will be studied. Course content will vary but the content will not duplicate current offerings.

Note: A student may take this for credit more than once as long as the same topics were not covered in the previous course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 491. Special Topics in Economics and Finance **3 Units**

Description: Topics of current importance to students of economics and finance will be studied. Content of course will vary but will not duplicate current offerings. This course may be repeated for credit as long as content or topics were not already covered by the student in this course.

Note: Cross-listed with FIN 491.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 499. Independent Study in Economics **1-3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Written proposal must be sponsored by at least one faculty member and approved by the Department Chair.

Description: A special, high-level study primarily for honor students. Arrangements must be made between the student and a faculty member.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECON 500. Foundations of Economics **3 Units**

Prerequisite(s): Consent of instructor.

Description: Survey of supply and demand analysis, cost and production, and price determination in different market organizations. Analysis of GOP, unemployment, inflation, and economic growth.

Note: Cross-listed with PLAN 500.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Education: Advanced Practitioner (EDAP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EDAP 510. Special Topics in Instruction **3 Units**

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 511. Reading and Writing in Content Areas 3 Units

Prerequisite(s): 12 hours in education or psychology, or consent of instructor.

Description: A comparison of the developmental and remedial reader at the middle and secondary levels, with emphasis on developing instructional strategies, materials, and programs in middle and secondary content areas.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 518. Survey of Linguistics for Educators 3 Units

Term Typically Offered: Occasionally Offered

Description: This course is a survey of both the theoretical and applied aspects of Linguistics. This is not an in-depth exploration of single-topic in the field of Linguistics but rather, a course designed to introduce students to the discipline of linguistics, especially those who are classroom educators. This course serves to introduce students to aspects of theoretical linguistics (phonology, morphology, syntax, semantics, and pragmatics, L1 & L2 acquisition) and explore various aspects of applied linguistics (Sociolinguistics, Linguistic Anthropology, English Language Learners). This course will encourage students to think critically about language and its use and apply the theoretical aspects of linguistics in a way that informs best practices.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 521. Teaching English Learners in the Classroom 3 Units

Description: A focus on strategies for working effectively with English learners and their families by teachers in P-12 classrooms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 525. World Englishes 3 Units

Prerequisite(s): EDAP 518 (or concurrently).

Description: Exploring the historical, social, and political contexts of the discipline of World Englishes. Topics such as language standardization, the internationalization of English, and challenges of teaching and testing of English as an international language will be discussed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 530. Language, Society & Power 3 Units

Prerequisite(s): EDAP 518 (or concurrently).

Description: Exploring the intersection of language and culture by challenging students to think critically about language and culture and the impact of both across ages, genders, social classes, ethnicities, and personal identities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 535. Teaching English as an International Language 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): EDAP 518 (or concurrently) or permission of the ESL program coordinator.

Description: This course will introduce students to the theoretical construct and practical consideration of teaching English overseas. It necessarily assumes English language teaching is an activity infused with social and political implications. By providing a theoretical construct as the course platform, the course will explore the roles of teachers and learners, the context of curricula, and the choice of methodology to reflect the cultural values of teaching English in an international setting.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 536. Theories of Play 3 Units

Prerequisite(s): Graduate status.

Description: Offers knowledge about how play contributes to young children's development and learning.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 540. Teaching Adolescent Readers 3 Units

Description: Examines active reading processes, instructional strategies, and appropriate adolescent literature for teaching both the developmental and the remedial reader in secondary language arts.

Note: Cross-listed with EDTP 540.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 541. Middle-Level Learner 3 Units

Description: The course is designed for practicing teachers in middle school or preparing to teach in middle school. The course is an in-depth study of the philosophical approach to educating young adolescent learners. The course will focus on the developmental issues and curricular concepts related to teaching at the middle-level.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 582. Teaching Gifted Students in the Regular Classroom 3 Units

Description: Introduction to the nature and needs of gifted, talented, and creative children in K-12 classrooms, ways to meet these needs, and ways to increase gifted behaviors in a greater number of children than those already identified.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 585. Introduction to Educational Technology: Integrating Technology into Instruction **3 Units**

Term Typically Offered: Occasionally Offered

Description: Develop a skill base in using and critically evaluating the usefulness, validity, and viability of instructional technologies appropriate for use in the P-12 classroom.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 587. Teaching and Learning Online **3 Units**

Description: This course is designed to help students actively explore multiple and varied ways to use online tools and resources to support learning in P-12 and higher education contexts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 590. Teacher Institute on African-American Issues **3 Units**

Description: An introduction to Pan-African Studies focusing on multicultural educational strategies for public school educators.

Note: Cross-listed with PAS 529.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 591. Survey of African History and Culture for Teachers **3 Units**

Description: An intensive survey of the history and culture of Africa (to 1600) for teachers.

Note: Cross-listed with PAS 530.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 592. Survey of African-American History and Culture for Teachers **3 Units**

Description: An intensive survey of the history and culture of African Americans for teachers.

Note: Cross-listed with PAS 531.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 596. Seminar in Elementary Education **1-4 Units**

Description: The investigation of special problems in education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDAP 597. Seminar in Elementary Education **1-4 Units**

Description: The investigation of special problems in education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Education: Educational Leadership, Evaluation, and Organizational Development (LEAD/ELFH)

Note: LEAD courses offered under the ELFH subject code through spring 2020.

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

LEAD 250. A+ Certification: Core Hardware **2 Units**

Grading Basis: Pass/Fail

Description: Installation, configuration, upgrading and troubleshooting computer components. Offered through distance education- online, prepares student for industry certification exam.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 251. A+ Certification: Operating System Technologies **2 Units**

Grading Basis: Pass/Fail

Description: Install, configure, upgrade and troubleshoot computers and computer networks. Offered through distance education (online), prepares student for industry certification exam.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 252. Network + Certification **2 Units**

Grading Basis: Pass/Fail

Description: Study of Internet, Intranets and Extranets infrastructure and services. Offered through distance education- online, prepares student for industry certification exam.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 253. Master Certified Internet Webmaster Designer (CIW: E-Commerce Designer) **2 Units**

Grading Basis: Pass/Fail

Description: Standards, technologies and practices of business-to-business and business-to-consumer models, relationship of purchasing, payment and processing online web enabled sites. Offered through distance education (online), prepares student for industry certification exam.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>LEAD 254. Master Certified Internet Web Designer (CIW): Site Designer 2 Units</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 253. Description: Create and manage Web sites using HTML, Dream Weaver, Flash, Homesite, Dynamic HTML. XML, various multimedia and Commercial Site Services standards. Offered through distance education - online, prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 260. Microsoft Certified System Engineer (MCSE) Installing, Configuring, and Administering Microsoft Exch 2 Units</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 259. Description: Implementation and administration of a Microsoft Windows Exchange 2000 Server. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 255. I Net + 3 Units</p> <p>Grading Basis: Pass/Fail Description: Study of Internet, Intranets and Extranets infrastructure and services. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 261. Microsoft Certified System Engineer (MCSE) Installing, Configuring and Administering Microsoft SQL S 1 Unit</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 260. Description: Implementation and administration of a Microsoft Windows SQL 2000 Server. Offered through distance education, prepares students for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 256. Microsoft MCDST-Supporting Users 3 Units</p> <p>Grading Basis: Pass/Fail Description: This course prepares students to support Windows operating system, the desktop environment, and basic networking. It is intended for those who support end users in the Windows desktop environment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 290. Occupational Courses 2-42 Units</p> <p>Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 12 semester hours in the program courses with a B or better average in 4 courses. Description: Vocational and occupational credit from accredited institutions such as universities, community colleges, and private and public schools accredited by agencies recognized by the National Commission on Accrediting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 257. Microsoft MCDST-Supporting Applications 3 Units</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 256. Description: This course prepares students to install, support, customize, and secure applications in the Windows desktop environment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 291. Occupational Learning 2-48 Units</p> <p>Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 12 semester hours in program courses with a B or better average in the four courses. Description: Credit may be earned by documenting learning from experience in a teachable occupation or family of occupations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 258. Microsoft Certified System Engineer (MCSE) Implementing and Administering Microsoft Windows 2000 Net 3 Units</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 257. Description: Implementation and administration of a Microsoft Windows 2000 Network. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 300. Prior Learning Assessment 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Provisional admission to the program, and extensive prior work experience and /or job related college credit. Description: Introduces students to the process/product of documentation of workplace learning and assessment of their mastery of the program standards. Must be taken within the first year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 259. Microsoft Certified System Engineer (MCSE) 2 Units</p> <p>Grading Basis: Pass/Fail Prerequisite(s): ELFH 258. Description: Implementation and administration of a Microsoft Windows 2000 Active Directory and the associated components with Active Directory. Offered through distance education - online, prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 301. Basic Skills for Success 1 Unit</p> <p>Term Typically Offered: Fall, Spring, Summer Description: Introduces students to key university and program resources. Students will also assess their personal learning style in relationship to the competencies needed for success in this program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>LEAD 302. Prior Learning Documentation 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Extensive prior work experience and/or job related college credit. Description: Introduces students to the process of documentation, and creation of product for documentation, of workplace learning. Students will be able to identify appropriate standards to evaluate college-level, credit-worthy work-related learning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 308. Needs Assessment in Healthcare Organizations 3 Units Term Typically Offered: Fall, Spring, Summer Description: Students will be introduced to the conceptual and theoretical foundations and process of organizational needs assessment in healthcare organizations. Particular focus will be paid to developing an understanding of the basics of the needs assessment process. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 303. Self-Assessment 1 Unit Term Typically Offered: Fall, Spring, Summer Description: This course will assist students in identifying their own personal and professional competencies. Students will make connections between these competencies and the skills/competencies required for success in this program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 309. Managing Projects in Healthcare Organizations 3 Units Term Typically Offered: Fall, Spring, Summer Description: The course provides an overview of project planning and management tools/techniques used in managing projects in healthcare organizations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 304. Understanding Needs Assessments 1 Unit Term Typically Offered: Fall, Spring, Summer Description: Students will be introduced to conceptual and theoretical foundations of organizational needs assessment. Particular focus will be paid to developing and understanding the basics of the needs assessment process. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 310. Healthcare Presentations and Group Facilitation 3 Units Term Typically Offered: Fall, Spring, Summer Description: Develop instructional design strategies for successful healthcare work force advancement. Explore the dynamics of teams, along with groups and facilitating group decision-making through the development of meeting agendas and objectives, managing meetings, and team decision-making strategies in healthcare organizations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 305. Identifying Needs Assessments 1 Unit Term Typically Offered: Fall, Spring, Summer Description: Students will learn the needs assessment process for gathering information related to workforce specific organizational needs. Particular attention is paid to identification of appropriate needs assessment processes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 311. Needs Assessment 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Admission to the College of Education and Human Development. Description: Needs assessment related to occupationally specific training and/or organizational needs is addressed. Students develop a proposal to conduct a needs assessment and a customized data collection instrument. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 306. Applying Needs Assessments 1 Unit Term Typically Offered: Fall, Spring, Summer Description: Students will learn the needs assessment process. Particular attention will be paid to the steps of constructing a needs assessment tool and to applying these steps to real world situations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 312. Designing Learning 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Admission to the College of Education and Human Development. Description: Development of curriculum relevant to specific job requirements in occupations. Includes development of analyses, measurable performance objectives, lesson designs and course materials. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 307. Prior Learning Assessment for Healthcare Leaders 3 Units Term Typically Offered: Fall, Spring, Summer Description: To provide healthcare leadership students with key university and program resources with learning the process of documentation, and creation of a product for documentation, for workplace learning. In addition, students will be able to identify their own personal and professional competencies while making connections between these competencies and the skills/competencies required for success in the program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

- LEAD 314. Diversity in the Workplace - D1, SB** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: This class examines various aspects of diversity and inclusion from a societal perspective, and within the workplace environment. Various human resource management principles will be discussed, and this course will also review, analyze, and ascertain themes of diversity including (but not limited to): race, ethnicity, culture, socio-economic status, world view, the LGBTQ community, persons with disabilities, socio-cultural factors, gender equity, legal perspectives, and social justice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 315. Supervised Work Experience Internship** **3-24 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Includes job skills and knowledge, management-worker-union relations, supervised instruction, conferences and evaluations.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 316. Instructional Strategies and Group Facilitation Techniques** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Admission to the College of Education and Human Development.
Description: Develop instructional design strategies and group facilitation techniques for education and work place initiatives. Teach critiqued lessons to communicate knowledge and skills needed for successful work force advancement.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 317. Instructional Techniques & Strategies** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: Develop instructional design strategies for educational and workplace initiatives. Teach critiqued lessons to communicate the knowledge and skills needed for successful work force advancement.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 318. Managing Group Dynamics** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: Explore the dynamics of groups and learn how to manage them by identifying functions of groups and teams, types of groups, stages of team development, and components of teams.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 319. Facilitating Group Decision Making** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: Learn how to facilitate group decision-making through the development of meeting agendas and objectives, managing meetings, and team decision-making strategies.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 320. Related Science, Mathematics, and Technology in Training** **6 Units**
Prerequisite(s): At least 9 semester hours coursework in the program.
Description: May be used in the specialization component of the BS in Occupational Education with concentration in Teacher Preparation. Credit may be earned only through examination.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 321. Manipulative Skills in Occupations** **6 Units**
Prerequisite(s): At least 9 semester hours coursework in the program.
Description: Credit may be earned only through examination.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 322. Knowledge of Related Subjects in Training and Development** **6 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): At least 9 hours coursework in the program.
Description: May be used in the specialization component of the BS in Occupational Education with concentration in Teacher Preparation. Credit may be earned only through examination.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 330. Special Needs and Technical Education** **3 Units**
Prerequisite(s): Admission to the College of Education and Human Development.
Description: A study of curriculum, methods, and facilities modifications necessary to meet the needs of disadvantaged and handicapped learners.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 332. Measuring and Evaluating Effectiveness** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Admission to the College of Education and Human Development.
Description: Theories and procedures involved in assessing the effectiveness of instructional programs and learning in the cognitive, psychomotor and affective domains.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- LEAD 341. Managing Projects in the Workplace** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Admission to the College of Education and Human Development.
Description: Overview of techniques used in managing work projects. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 344. Project Planning Elements** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: The course provides an overview of project management terminology, tools, and techniques used in managing a work-related project. Elements introduced are SWOT analysis, stakeholder analysis, project contract, and kickoff meeting. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 345. Managing Projects Effectively** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: The course provides an overview of project management terminology, tools, and techniques used in managing a work-related project. Elements introduced include a scope document, business case, and work breakdown structure. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 346. Project Oversight** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Description: The course provides techniques used in the oversight of a work-related project. Elements introduced are Gantt chart, communication plan, risk management, and quality management plan. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 350. Oracle Certified Professional Database Administrator (OCPDBA): SQL and PL/SQL** **3 Units**
Grading Basis: Pass/Fail
Description: Implementation and understanding of Oracle relational database concepts and the use of SQL for data storage, and database manipulation. Offered through distance education-online, prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 351. Oracle Certified Professional Database Administrator (OCPDBA): Architecture & Administration** **3 Units**
Grading Basis: Pass/Fail
Description: Implementation and understanding of Oracle relational database concepts and the use of SQL for data storage and database manipulation. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 352. Oracle Certified Professional Database (OCPDBA): Backup and Recovery** **3 Units**
Grading Basis: Pass/Fail
Description: Implementation and understanding of Oracle backup recovery goals and functions of Oracle 8i. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 353. Oracle Certified Professional Database Administrator (OCPDBA): Network Administrator** **3 Units**
Grading Basis: Pass/Fail
Description: Oracle 8i architectural; administration and centralized Naming concepts, advanced security options, concepts of encryption, authentication with Oracle 8i databases. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 354. Oracle Certified Professional Database Administrator (OCPDBA): Performance and Tuning** **3 Units**
Grading Basis: Pass/Fail
Description: Deploying Oracle 8i, and fine tune operations with Oracle databases utilizing the tools and technologies with the product. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 355. Cisco Certified Network Professional (CCNP): Cisco Certified Network Administrator** **2 Units**
Grading Basis: Pass/Fail
Description: Emphasis on terms, concepts, technologies and devices used in networking. Install, configure and troubleshoot Cisco switches and routers. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 356. Cisco Certified Network Professional (CCNP): Building Cisco Multilayer Switching Networks** **2 Units**
Grading Basis: Pass/Fail
Description: Identify basic features of VLANs, characteristics of Bridge Protocol Data Units, features of the distribution layer and of external route processors. Offered through distance education (online), prepares students for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 357. Cisco Certified Network Professional (CCNP): Building Cisco Remote Access Networks** **2 Units**
Grading Basis: Pass/Fail
Description: Builds knowledge about remote access network to interconnect central sites to branch offices using WAN technologies. Offered through distance education (online), prepares student for industry certification exam. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- LEAD 358. Cisco Certified Network Professional (CCNP): Building Scalable Cisco Networks** 2 Units
Grading Basis: Pass/Fail
Description: Primary emphasis on controlling traffic over LANs and WANs. Offered through distance education (online), prepares for industry certification exam.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 359. Cisco Certified Network Professional (CCNP): Internetworking Troubleshooting Support** 2 Units
Grading Basis: Pass/Fail
Description: Internetworking, troubleshooting and background understanding of routers and switches utilized for multi-protocol client hosts and servers. Offered through distance education (online), prepares student for industry certification exam.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 390. Advanced Occupational Courses** 2-18 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): 12 semester hours in the program courses with B or better average in the 4 courses.
Description: Upper level vocational credit from accredited institutions such as colleges and universities, both private and public, and other agencies recognized by the National Commission on Accrediting.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 391. Advanced Occupational Learning** 2-18 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): 12 semester hours in the program courses with a B or better average in 4 courses.
Description: Credit may be earned by documenting learning from experience in a teachable occupation or family of occupations.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 401. Strategic Human Resources Management and HR Law** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: Overview of the field of human resource management (HRM), and the roles and competencies required in HRM. Federal laws affecting HRM are investigated.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 402. Human Resources Recruitment and Selection** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: Study of the staffing function in healthcare organizations. Skills and processes needed for job analysis, recruitment, and selection are investigated.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 403. Human Resource Performance Management and Compensation** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: Study of the human resource functions of performance management and compensation in healthcare organizations.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 404. Career Management** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: This course addresses knowledge, skills, and dispositions for workforce leaders in career management to maximize performance and goal attainment at individual, group, and organizational levels.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 405. Assessing Talent** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: This course addresses knowledge, skills, and dispositions for growing leaders in healthcare through talent assessment to maximize performance and goal attainment at individual, group, and organizational levels.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 406. Coaching for Performance** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: This course addresses knowledge, skills, and dispositions for workforce leaders in coaching in order to maximize performance and goal attainment at individual, group, and organizational levels.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 407. Diversity and Inclusion in the Workplace** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: To uncover aspects of diversity from cultural, workplace and global perspectives. To examine theoretical and practical means of cross-cultural understanding, inclusion, and various laws and legislation that are relevant within the workplace.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- LEAD 408. Competing Perspectives and Rules** 1 Unit
Term Typically Offered: Fall, Spring, Summer
Description: Examination of equity and fairness in employment, and non-discrimination practices within the workplace. To analyze various leadership and interpersonal relationship best practices, to foster a more inclusive workplace setting.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>LEAD 409. Global Workforce 1 Unit</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Examination of theoretical and practical means of cultural diversity, worldview and multicultural awareness in the workplace from a global perspective. To uncover workplace practices that are incorporated internationally, and to examine human resource-related practices from a global perspective.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 415. Organizational Change in Healthcare 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Focus on strategies for effecting whole organization and process change in healthcare organizations.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 410. Fundamentals of Healthcare Human Resource Management 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: This course provides an opportunity to study the human resources management (HRM) functions and roles of performance management and compensation in healthcare organizations.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 416. Principles of Healthcare Leadership and Management 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: This course provides an introduction to healthcare management, along with concepts, theories, and application of strategic leadership and management principles for increasing the effectiveness of healthcare organizations.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 411. Human Resource Fundamentals 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Prerequisite(s): Admission to the College of Education and Human Development.</p> <p>Description: Overview of roles in the field of resource management in context of the overall field of HRM, the relationship to workplace performance improvement, and roles and competencies required in workforce leadership.</p> <p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 417. Coaching and Talent Management in Healthcare 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: This course addresses knowledge, skills, and dispositions for growing leaders in healthcare to maximize performance and goal attainment at individual, group, and organizational levels.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 412. Coaching and Talent Development 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Prerequisite(s): Admission to the College of Education and Human Development.</p> <p>Description: This course addresses knowledge, skills, and dispositions for workforce leaders in talent management, career development and coaching strategies to maximize performance and goal attainment at individual, group and organizational levels.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 418. Conflict Management in Healthcare Organizations 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Students will be introduced to different aspects of conflicts, negotiation, mediation and other alternative dispute resolution mechanisms in healthcare organizations.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 413. Management of Diversity in Healthcare Organizations 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Examination of theoretical and practical means of cultural diversity, worldview and multicultural awareness in the workplace from a global perspective. To cover workplace practices that are incorporated internationally, and to examine human resource-related practices from a global perspective within the area of healthcare.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 419. Healthcare Workplace and Information Ethics 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Study and application of ethical perspectives at individual, group, organizational, and societal levels, as they apply to leadership in healthcare workplaces. Includes examination of social responsibility.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>LEAD 421. Understanding Conflict in Organizations 1 Unit</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Students will study and discuss different aspects of conflict, its types, sources, and process with special emphasis on conflict in organizations.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>LEAD 420. Conflict Management in the Workplace 3 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Description: Study and discussion of conflict, its types, sources, and process with special emphasis in conflict in organizations. Introduction to negotiation, mediation and other alternative dispute resolution mechanisms.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>LEAD 422. Conflict Management Term Typically Offered: Fall, Spring, Summer Description: Student will study strategies to manage and transform conflict in organizations so that it is constructive or functional. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>LEAD 432. Healthcare Quality Evaluation Term Typically Offered: Fall, Spring, Summer Description: Students will be introduced to conceptual and theoretical foundations of healthcare quality evaluation. Particular focus will be on developing an understanding of the basics of the quality evaluation process. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>LEAD 423. Dispute Resolution Term Typically Offered: Fall, Spring, Summer Description: Students will be introduced to negotiation, mediation and other alternative dispute resolution mechanisms. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>LEAD 433. Healthcare Law and Ethics Term Typically Offered: Fall, Spring, Summer Description: Students will explore and examine the legal, policy and ethical issues that engage healthcare professionals in the ever-changing healthcare system. Particular focus will be on developing professionalism, both personally and organizationally. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>LEAD 427. Principles of Management Term Typically Offered: Fall, Spring, Summer Description: This course provides an introduction and application of the management functions of planning, organizing, leading and controlling as they apply to healthcare leadership. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>LEAD 442. Supporting Organizational Change Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Admission to the College of Education and Human Development. Description: Focus on the reasons for and causes of change in organizations, and the professional and personal competencies to support change. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>3 Units</p>
<p>LEAD 428. Understanding Leadership Term Typically Offered: Fall, Spring, Summer Description: This course provides an introduction to leadership, exploring: what it is, ideal leaders, followers, different perspectives, self-leadership, trait theories and creativity. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>LEAD 429. Leading and Leadership Term Typically Offered: Fall, Spring, Summer Description: This course provides an introduction to leading and leadership. Concepts of power, influence, conflict and change as it relates to leadership will be explored. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>LEAD 444. Leading Change Term Typically Offered: Fall, Spring, Summer Description: Focuses on the reasons for and causes of change in organizations, and the professional and personal competencies to support change. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>LEAD 430. Healthcare Finance and Accounting Term Typically Offered: Fall, Spring, Summer Description: Introduction to healthcare finance and accounting including: health business basics; how services are paid; pricing decisions and profit analysis; planning and budgeting; capital investment decisions; reporting profits, assets, financing, and cash flows; assessing organizational financial condition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>LEAD 445. Organization Development Term Typically Offered: Fall, Spring, Summer Description: Focus on organization development and change and interventions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>LEAD 431. Healthcare Information Management Term Typically Offered: Fall, Spring, Summer Description: Students will be introduced to conceptual and theoretical foundations of healthcare information management. Focus will be on developing an understanding about processes used to manage healthcare information management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>LEAD 446. Whole Organization and Process Change Interventions Term Typically Offered: Fall, Spring, Summer Description: Focus on strategies for effecting whole organization and process change in healthcare organizations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>

LEAD 450. Healthcare Leadership - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Successful completion of all previous CBE Healthcare Leadership courses.

Description: The course includes a Culminating Experience reflection, a Program Exit Portfolio, and a Capstone Project.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 460. Adult Learning and Diversity 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to the College of Education and Human Development.

Description: An overview of the theories and principles of adult learning and diversity with an emphasis on their application to the education and helping professions. Applications of career planning and talent management.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 490. Leadership and Management 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to College of Education and Human Development.

Description: Introduction and application to the management functions of planning, organizing, leading and controlling as they apply to leadership of workplace learning and performance.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 498. Special Topics in Organizational Leadership & Learning 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: To enable students to gain knowledge, skills, and competencies on topics related to organizational leadership. Provides advanced study on selected topics or emerging issues related to leading, managing, influencing and understanding people, processes, and positions within organizations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 501. Independent Study: Training or Technical Education 1-3 Units

Term Typically Offered: Occasionally Offered

Description: Provides Training and Development students with course credit for special investigation into areas not currently subsumed in existing courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 510. Teaching Career and Technical Education 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to the College of Education and Human Development.

Description: A study of teaching practices as they apply to beginning teachers. Emphasis on practical procedures needed to succeed in teaching.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 511. Ethical Theories and Ethical Problem-Solving 1 Unit

Description: Students will study and apply ethical perspectives at the individual level in healthcare workplaces.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 512. Individual Ethics in the Organization 1 Unit

Description: Study and application of ethical perspectives at individual, group, and organizational levels, as they apply to leadership in healthcare workplaces.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 513. Building Ethical Organizations 1 Unit

Description: Study and application of ethical perspectives at individual, group, organizational, and societal levels, as they apply to leadership in healthcare workplaces. Includes examination of social responsibility.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 515. Supervised Staff-Industry Exchange 1-3 Units

Prerequisite(s): Career & Technical Education Teacher Certification.

Description: Provides essential improvement experience for the occupational education teacher through placement in occupationally oriented job situations which are evaluated to assist the teacher in implementing new skills and updating techniques in the classroom.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 540. Program Exit Experience - CUE 2-8 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Approval of instructor; admitted to College of Education and Human Development.

Description: Capstone experience, includes supervised professional work experience related to student's program and professional goals, and a program exit portfolio with program reflection paper.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 574. Using Productivity Tools 3 Units

Description: Overview of applications of microcomputers and electronic media systems for instruction and management. Emphasis is placed upon use of general purpose integrated computer software. Current issues involving technology use for training/instruction and work/classroom/school management will be the focus for the course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 575. Instructional Technology 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ELFH 311.

Description: This course provides knowledge and hands-on experience of current and emerging workforce instructional technologies. Students will learn theory and various technology-enhanced learning solutions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 577. Knowledge Management and Information Systems 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to the College of Education and Human Development.

Description: Overview of knowledge management strategies and applications. Examinations of tools and technologies used in organizations to support knowledge management and transfer.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 578. Workplace and Information Ethics 3 Units

Term Typically Offered: Occasionally Offered

Description: Study and application of ethical perspectives at individual group, organizational, and societal levels, as they apply to leadership in workplaces and management of organizational information. Includes examination of social responsibility.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 581. Culminating Experience on Personal Growth 1 Unit

Description: Student analyzes changes in competency-related learning from pre-to-post-program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 582. Program Exit Experience 1 Unit

Description: Student completes a Program Exit Portfolio, which provides the student the opportunity for reflection on accumulated content and experiences.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 583. Capstone Project 1 Unit

Description: Student completes a capstone project that is the culmination of the student internship experiences, program portfolio, and reflection paper.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LEAD 596. Seminar 1-9 Units

Term Typically Offered: Occasionally Offered

Description: The investigation of special problems in training and development.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Education: Special Education (EDSP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EDSP 180. Intro to Special Ed 3 Units

Description: An overview of the field of Special Education, including, laws, eligibility process, service models, and procedural safeguards. Special emphasis is given to those with learning & behavioral disorders.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>EDSP 181. Field Experience in Special Ed 3 Units Description: This course is designed to provide opportunities for interaction with students with disabilities in educational settings, in order to develop a fuller understanding of the nature and educational need of these students. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDSP 345. Special Populations in Schools 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education; concurrent enrollment in EDSP 346. Description: Characteristics and needs of gifted/talented, students with disabilities, English language learners, and other special populations; curricular and instructional approaches to challenge and support them in the regular classroom. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDSP 218. Technology for Students with Disabilities 3 Units Term Typically Offered: Fall, Spring Description: Develop a skill base in using and critically evaluating the usefulness, validity, and viability of assistive and instructional technologies appropriate for use with students with disabilities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDSP 346. Special Populations in Schools Field Experience 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education. Corequisite(s): EDSP 345. Description: Field experience observing and working in middle/secondary classrooms. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDSP 240. Introduction to Exceptional Children 3 Units Term Typically Offered: Fall, Spring, Summer Description: Acquaints students with the characteristics and needs of children with a variety of exceptionalities: learning, physical, and mental disabilities, emotional behavior, and attention deficit disorders; other health impairments; giftedness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDSP 395. Autism: Science, Culture and Identity - SB 3 Units Term Typically Offered: Fall Only Description: The purpose of this course is to increase students' understanding of scientific, historical and cultural approaches to conceptualizing human conditions such as autism spectrum disorder. Autism will serve as a case study of the interaction of science, culture and history in assigning meaning to aspects of human diversity. Students will develop a perspective on how the interplay of science and culture influence the meaning and treatment of disability. Students will critically analyze theories of autism and research literature, as well as read historical, fictional and first-person accounts of autism. Students will engage in discourse and scholarly writing related to the treatment of individuals on the autism spectrum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDSP 260. Classroom Behavior Management 3 Units Term Typically Offered: Fall, Spring, Summer Description: The study and application of behavioral principles for effectively managing classroom environments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDSP 396. Independent Study in Special Education 1-3 Units Term Typically Offered: Occasionally Offered Description: Independent study on a topic or question agreed upon and supervised by a faculty member and approved by the department chair. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDSP 294. Teaching Individuals with Physical, Health and Multiple Disabilities 3 Units Term Typically Offered: Spring Only Description: Surveys the causes and educational implications of physical disabilities (cerebral palsy, spina bifida), sensory impairments (vision and hearing), health (cystic fibrosis, HIV/AIDS), and multiple disabilities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>EDSP 337. Collaboration, Inclusion and Transition 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Admission to Teacher Education. Description: Develops knowledge, skills, and dispositions for positive collaboration with parents, peers, and specialists serving students with disabilities. Includes a minimum of 15 hours of field placement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

EDSP 397. Special Topics in Special Education 3 Units

Term Typically Offered: Summer Only

Description: Current topics within the field of special education. Course topics will vary as needed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 420. Assessment of Exceptional Learners 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): EDTP 355 and admission to teacher education.

Description: Addresses the knowledge and skills needed to conduct assessment procedures, interpret data, and use assessment data in educational decision-making for students with special needs in a legal and ethical manner.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 422. Transition Programs and Services for Children and Youth with Disabilities 3 Units

Term Typically Offered: Fall, Spring

Description: This course will address the needs of personnel working with secondary special education students making the transition from school to adulthood. The course will provide information on: the basic adult needs of persons with development disabilities and an interdisciplinary service model to meet those needs. Emphasis will be placed upon the systematic planning and coordination of services that are required for persons with disabilities to achieve maximum quality of life.

Note: Cross-listed with: EDSP 614.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 440. Moderate/Severe Disabilities Curriculum and Methods II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): EDSP 443.

Description: Design and implementation of instruction based on alternative achievement of grade level academic standards that meet the needs of students with moderate/severe disabilities within special education and collaborative classroom settings.

Note: Cross-listed with EDSP 611.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 441. Methods for Students with Learning and Behavior Disorders 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): EDSP 260 and admission to Teacher Education.

Corequisite(s): EDSP 442.

Description: Analyses of the subject areas, approaches, techniques, materials, and learning principles used in teaching students with learning and/or emotional/behavioral disabilities and mild mental retardation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 442. Practicum: Learning and Behavior Disorders 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): EDSP 260 and admission to Teacher Education.

Corequisite(s): EDSP 441.

Description: Field experience in school settings where the student will observe, assist, assess, and instruct students with learning and behavior disorders.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 443. Instructional Methods for Students with Moderate/Severe Disabilities 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): EDSP 260 and admission to Teacher Education.

Corequisite(s): EDSP 444.

Description: Focuses on the design and implementation of individualized, functional curriculum for students with moderate/severe disabilities in the area of life skills, communication, social/behavioral, motor and functional academics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 444. Moderate/Severe Disabilities Practicum 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): EDSP 260 and admission to Teacher Education.

Corequisite(s): EDSP 443.

Description: Field experience in school settings where the student will observe, assist, assess, and instruct students with moderate/severe disabilities.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 450. Moderate and Severe Disabilities Practicum II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): EDSP 444.

Description: Field experience in school settings where the student will assist, assess, and instruct students with moderate/severe disabilities.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 451. Learning and Behavior Disorders Practicum II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): EDSP 442.

Description: Field experience in school settings, where the student will assist, assess, and instruct students with learning and behavioral disabilities.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 470. Student Teaching, LBD 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to Teacher Education.

Description: Provides supervised teaching experience with students demonstrating learning and behavior disorders.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 471. Student Teaching, MSD 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to Teacher Education.

Description: Provides supervised teaching experience with students demonstrating moderate and severe intellectual disabilities.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 510. Legal Issues in Special Education 3 Units

Term Typically Offered: Occasionally Offered

Description: Prepares special education teachers to fully understand and implement both the spirit and the letter of federal and state laws, regulations, and procedures related to students with disabilities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 512. Methods for Students with Learning and Behavior Disorders 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to Teacher Education.

Description: Provides an overview of instructional methodology used to teach students with Learning and Behavior Disorders.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 515. Communication and Socialization in Early Childhood 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Admission to professional program.

Description: Research-based approaches to supporting the communication and social skills of young children, including those with disabilities or delays.

Note: Six hours of field experience are required for this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 516. Assessment Procedures for Students with Learning & Behavior Disorders 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to Teacher Education.

Description: Analyzes and evaluates the assessment procedures for children with learning disabilities in academic and social settings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 518. Teaching Reading Special Education P-12 3 Units

Term Typically Offered: Spring Only

Description: Addresses curriculum/instructional methods in teaching reading to students with disabilities. Prepares candidates in theoretically sound reading instruction, reading processes and how to access, evaluate and respond to students' strengths/needs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 520. Assessment of Students with Moderate/Severe Disabilities 3 Units

Term Typically Offered: Occasionally Offered

Description: Addresses knowledge and skills needed to conduct assessment procedures, interpret data and use assessment data in educational decision-making for students with moderate/severe disabilities in a legal and ethical manner.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 533. Early Childhood Special Education Methods 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Admission to the professional program; Concurrent enrollment in EDSP 534.

Description: Research-based approaches for instructing young children with disabilities/delays.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 534. ECSE Methods Field Experience 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Spring Only

Prerequisite(s): Admission to the professional program; concurrent enrollment in EDSP 533.

Description: Field experience observing and working in early childhood special education classrooms.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 537. Language Learning for Exceptional Children 3 Units

Description: Delineates and describes language learning patterns commonly found in relation to specific impairing conditions. Emphasizes specific language learning methods and materials appropriate for these problems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 540. Introduction to Exceptional Children 3 Units

Description: A survey course designed to acquaint students with all types of exceptional children - physically and mentally handicapped, socially and emotionally disturbed, and the gifted; methods of adapting education to meet the needs of these children.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 541. Introduction to Learning and Behavior Disorders 3 Units

Description: An integration of theoretical, conceptual, and applied educational systems for children with learning and behavior disorders.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 545. Exceptional Children in the Regular Classroom 3 Units

Term Typically Offered: Occasionally Offered

Description: Educational programming for exceptional children in regular classrooms; curricular approaches in mainstreaming.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 546. Behavior Analytic Approach to Communication 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): EDSP 260 for undergrads or EDSP 644 for graduates.

Description: This course prepares practitioners to use principles of ABA to assess and teach communication skills to individuals with disabilities and develop knowledge of current AAC technology and assessment procedures.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 570. Autism: Introduction and Understanding 3 Units

Description: Increase understanding of individuals with Autism/Pervasive Developmental Disorder (PDD) across the life-span. Characteristics of this population, namely communication, social and behavioral attributes will be examined as they are manifested across all ages in the context of the family and community. Historical, diagnostic, and identification issues will be addressed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 578. Practicum in Teaching the Trainable Mentally Retarded 4 Units

Description: Supervised student teaching of trainable mentally retarded children.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 581. Introduction to Gifted Education 3 Units

Description: Classroom- and school-level approaches to identifying, nurturing, and further developing a variety of talents in all children, including but not limited to the areas of intellectual, academic, creative, visual/performing arts, and leadership talent.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 583. Early Childhood Special Education Assessment 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Admission to professional program.

Description: Identification and assessment of children 0-5 with special needs, as well as theory and practice of educational decision-making based on assessment data.

Note: Six hours of field experience are required for this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 584. Families and Collaboration in Interdisciplinary Early Childhood Education 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Admission to professional program; Concurrent enrollment in EDSP 585.

Description: Research based approaches to supporting families in providing interventions to infants and toddlers, working with families of preschoolers, and collaborating with other professionals and paraprofessionals.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 585. Families and Collaboration in IECE: Field Experience 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Spring Only

Prerequisite(s): Admission to the professional program.

Corequisite(s): EDSP 584.

Description: Field experience in home, agency or school settings where the student will observe, assist, assess, and instruct infants and toddlers with identified special needs.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 594. Foundational Concepts in Intellectual and Physical Disability 3 Units

Term Typically Offered: Occasionally Offered

Description: This course provides an overview of characteristics associated with intellectual and physical disabilities. Students will learn to establish support systems for addressing the educational and health needs of these learners.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 596. Seminar in Special Education 1-4 Units

Description: The investigation of special problems in education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDSP 597. Seminar in Special Education 1-4 Units

Description: The investigation of special problems in education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Education: Teacher Preparation (EDTP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EDTP 99. Developmental Special Topics 1-3 Units

Description: Examination of well-defined topics not studied in regular courses. Topics will be announced in the schedule of classes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 101. Academic Orientation 1 Unit

Term Typically Offered: Fall Only

Description: An overview of the University, College of Education and Human Development, and Teacher Education program options and requirements, academic policies and procedures, and the role of academic advising for Teacher Education majors. An introduction to university life and culture, and skills for success for incoming freshman.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 107. Human Development and Learning 3 Units

Term Typically Offered: Fall, Spring

Description: Introduction to the basic principles of human development and learning as applied to home and school settings of children from birth to adolescence.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 201. The Teaching Profession - SB 3 Units

Term Typically Offered: Fall, Spring

Description: Provides opportunities to survey the field of education through the study of educational theories, field experiences, and evaluation of education as a career. Some fieldwork required during class hours.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 215. Foundations of Instruction 3 Units

Term Typically Offered: Fall, Spring

Description: This course introduces pre-service teachers to the planning and preparation skills needed to be an effective classroom teacher. These skills include: identifying learning goals and objectives based upon standards-based curriculum; designing learning experiences with developmentally appropriate instructional strategies; creating a variety of assessments to gauge learning and motivate students to learn; managing a range of students, materials, and classroom activities to honor students' diversity. This course is a prerequisite to admittance to the Teacher Education Program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>EDTP 245. Children's Literature - AH, D1 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGL 102 or ENGL 105. Description: The course is designed to introduce students to a body of children's literature with an emphasis on developing an aesthetic and critical response to literature, experiencing a breadth of genres and constructing creative ways to use literature with children. Examining children's literature from diverse communities help us to identify and better understand many of the political, social, and economic issues within the country. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 312. Elementary Language Arts Methods Field Experience 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program; EDTP 311 (or concurrent) and EDTP 320 (or concurrent). Description: Weekly field experience observing, analyzing, and participating in literacy and language arts instruction in schools. Students will connect and apply coursework, theory, and practice. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 300. Creativity and the Young Child 3 Units Term Typically Offered: Spring Only Description: Theories of creativity development and research-based approaches to teaching creativity in young children across content areas. Note: Cross-listed with EDTP 600. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 313. Math Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program. Description: An investigation of trends, learning theories, instructional activities, and manipulative materials applicable to mathematics education in the elementary school with a focus on ways to improve teaching of mathematics for all elementary students. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 301. General Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program. Description: Prepares service teachers to: identify appropriate learning goals for students; design learning experiences that include a variety of developmentally appropriate instructional strategies; manage a range of students, materials, and classroom activities; and honor students' diversity with respect to learning style, motivation, race/ethnicity, gender, and language proficiency. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 314. Elementary Mathematics Methods Field Experience 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program; EDTP 313 (or concurrent). Description: Weekly field experience observing, analyzing, and participating in mathematics instruction in schools. Students will connect and apply coursework, theory, and practice. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 311. Introduction to Reading/Language Arts P-5 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program. Description: Examines specific strategies for teaching children with and without disabilities, giftedness and other individual differences. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 320. Methods for Teaching Reading/Language Arts, P-5 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to Teacher Education program. Description: Advanced study of specific strategies and practices for teaching children with and without disabilities, giftedness and other individual differences. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

EDTP 322. Social Studies Methods **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to Teacher Education program.
Description: Designed to promote critical approaches to social studies, students will learn theoretically sound and research-based strategies for promoting the goals of social studies.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 323. Elementary Social Studies Methods Field Experience **1 Unit**
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to Teacher Education program; EDTP 322 (or concurrent).
Description: Weekly field experience observing, analyzing, and participating in social studies instruction in schools. Students will connect and apply coursework, theory, and practice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 324. Science Methods P-5 **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: Examines the instructional methods and curricular materials appropriate for teaching the concepts and skills of science in grades P-5. Minimum of 36 hours of fieldwork required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 326. Elementary Science Methods Field Experience **1 Unit**
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education program; EDTP 324 (or concurrent).
Description: Weekly field experience observing, analyzing, and participating in science instruction in schools. Students will connect and apply coursework, theory, and practice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 328. Building Learning Communities **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education program.
Description: Philosophies and methods for creating and managing learning communities supportive of the intellectual, academic, social-emotional, and physical needs of diverse students in classroom settings.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 330. Building Learning Communities Field Experience **1 Unit**
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program; EDTP 328 (or concurrent).
Description: Field experience observing and working in middle/secondary classrooms.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 341. Teaching Middle School **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: An in-depth study of philosophy, organizational patterns, developmental issues, and curriculum concepts related to teaching at the middle level.
Note: Cross-listed with EDTP 541.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 355. Assessment and Research **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: Theory and practice of educational decision-making based on analysis of assessment data and professional research; introduction to key concepts in analyzing and conducting educational research.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 396. Independent Study in Teaching and Learning **1-3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Independent study on a topic or question agreed upon and supervised by a faculty member and approved by the department chair.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>EDTP 397. Special Topics in Teaching and Learning 1-3 Units Term Typically Offered: Fall, Spring, Summer Description: Current topics within the fields of teaching and learning. Course topics will vary as needed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 409. Middle School Science Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program. Description: An application of methods and materials to teaching middle school Science effectively. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 399. Music, Art, and Motion in P-5 3 Units Term Typically Offered: Fall, Spring, Summer Description: Examines the instructional methods and curricular materials appropriate for incorporating the concepts and skills of art, music, and movement education in grades P-5. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 410. Middle School Social Studies Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program. Description: Application of methods and materials to teaching middle school Social Studies effectively. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 403. Developing Cross-Cultural Competence: Teaching Students from Diverse Backgrounds 3 Units Prerequisite(s): Admission to the UofL teacher preparation program. Description: Extends the principles of curriculum, development, teaching and learning introduced in previous courses to work with students from diverse ethnic, racial, linguistic, and socioeconomic backgrounds. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 412. Student Teaching: P-12 9-12 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program; approval of Middle/Secondary Program. Description: Fifteen weeks of supervised observation, participation, and teaching in P-12 schools. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 407. Middle School Language Arts Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program. Description: Application of methods and materials to teaching middle school Language Arts effectively. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 417. Student Teaching: Middle School 6-12 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program; approval of Middle/Secondary Program. Description: Fifteen weeks of supervised observation, participation, and teaching in middle schools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 408. Middle School Mathematics Methods 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Teacher Education Program. Description: Application of methods and materials to teaching middle school Mathematics effectively. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

EDTP 418. Student Teaching: Middle and High School 9-12 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program; approval of Middle/Secondary Program.
Description: Fifteen weeks of supervised observation, participation, and teaching in middle and high schools.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 419. Student Teaching: High School 9-12 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Admission to the Teacher Education Program; approval of Middle/Secondary Program.
Description: Fifteen weeks of supervised observation, participation, and teaching in high schools.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 420. Reading and Writing Across the Curriculum 3 Units
Term Typically Offered: Fall, Spring, Summer
Description: Exploring the processes, products, and values of literacy in various areas of the curriculum, this course explores and applies literature of all forms in service to the various disciplines and societal roles.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 421. Intensive Field Experience 1-6 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Prerequisite(s): Concurrent enrollment in one or more content methods classes.
Description: Field experience observing, analyzing, participating, and teaching in schools. Students will connect coursework, theory, and practice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 422. High School English Methods 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: Application of methods and materials to teaching high school English effectively.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 423. High School Mathematics Methods 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: Application of methods and materials to teaching high school Mathematics effectively.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 424. High School Science Methods 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Admission to the Teacher Education Program.
Description: Application of methods and materials to teaching high school Science effectively.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 425. High School Social Studies Methods 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Admission to the Teacher Education Program.
Description: Application of methods and materials to teaching high school Social Studies effectively,
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 428. Business/Marketing Methods, 5-12 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Admission to the Teacher Education Program.
Description: Application of methods and materials to teaching middle/high school Business/Marketing effectively.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 429. World Language Methods, P-12 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to the Teacher Education Program.

Description: Application of methods and materials for teaching World Languages effectively.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 432. Literacy and Numeracy in Interdisciplinary Early Childhood Education 3 Units

Prerequisite(s): Admission to Teacher Education.

Description: Focuses on the development of literacy and numeracy in young children birth through age five. Students learn to plan and implement standards-based classroom routines, activities, and lessons which appeal to young children.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 433. Curriculum & Methods in Early Childhood Special Education 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to Teacher Education.

Description: This course explores early childhood models, strategies, and materials appropriate for use with children with special needs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 435. Administration and Consultations: Day Care and Early Childhood 3 Units

Term Typically Offered: Fall, Spring

Description: This course will explore the responsibilities of the day care or early childhood program director and the early childhood consultant.

Note: Cross-listed with EDTP 635.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 436. Theories of Play 3 Units

Term Typically Offered: Fall, Spring

Description: This course offers knowledge about how play contributes to young children's development and learning.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 437. Infant/Toddler Development and Care 3 Units

Term Typically Offered: Fall, Spring

Description: This course examines the development and educational needs of children from birth to age three.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 438. Literacy and Social Studies Methods in Interdisciplinary Early Childhood Education 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): EDTP 301.

Description: Research-based approaches to planning and implementing developmentally appropriate standards-based classroom activities, lessons, and materials that develop literacy and social studies understandings in young children birth through age five.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 439. Mathematics and Science Methods in Interdisciplinary Early Childhood Education 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): EDTP 301.

Description: Research-based approaches to planning and implementing developmentally appropriate standards-based classroom activities, lessons, and materials that develop mathematics and science understandings in children birth through age five.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 440. Interdisciplinary Content Methods in Early Childhood Education 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): EDTP 437.

Description: Research-based approaches to planning and implementing developmentally appropriate standards-based classroom activities, lessons, and materials that develop literacy, mathematics, science and social studies understandings in young children birth through age five.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 450. Student Teaching I: Elementary Education 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Approval of Elementary program coordinator.

Description: Seven weeks of supervised observation, participation, and teaching in elementary school.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 451. Student Teaching in Interdisciplinary Early Childhood Education 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): All courses in the program completed, positive midpoint assessment and Seven weeks of supervised observation, participation and teaching in preschool and/or kindergarten.

Description: Placements depend on certification being sought and student needs.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 452. Student Teaching II: Elementary Education 6 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Approval of Elementary program coordinator.

Description: Seven weeks of supervised observation, participation, and teaching in elementary school.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 477. Capstone Student Teaching Seminar - CUE 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): EDTP 311; EDTP 407, EDTP 408, EDTP 409, EDTP 410, EDTP 422, EDTP 423, EDTP 424, EDTP 425, EDTP 428, or EDTP 429; EDTP 412 (or concurrent), EDTP 417 (or concurrent), EDTP 418 (or concurrent), EDTP 419 (or concurrent), or EDTP 450 (or concurrent).

Description: Analysis, synthesis, and evaluation skills applied to the student teaching experience; collaborative problem solving; action research in classrooms.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 501. General Methods 3 Units

Prerequisite(s): Admission to teacher education.

Description: Prepares pre-service teachers to: identify appropriate learning goals for students; design learning experiences that include a variety of developmentally appropriate instructional strategies; manage a range of students, materials, and classroom activities; and honor students' diversity with respect to learning style, motivation, race/ethnicity, gender, and language proficiency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 502. Exploring Teaching in the Sociopolitical Contexts of P-12 Schools 3 Units

Prerequisite(s): Admission to teacher education.

Description: The sociocultural contexts of P-12 teaching are ever shifting. Society's expectations for schools and the role that teachers are expected to assume must be understood in relation to the social, cultural, political, and historical contexts from which they arise. Teacher candidates must be made aware of the ways in which these multiple and overlapping contexts influence their future work as classroom teachers.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 503. Developing Cross-Cultural Competence: Teaching Students from Diverse Backgrounds 3 Units

Prerequisite(s): Admission to teacher education.

Description: Extends the principles of curriculum, development, teaching and learning introduced in previous courses to working with students from diverse, ethnic, racial, linguistic, and socioeconomic backgrounds.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>EDTP 504. Teaching with Technology 2 Units Prerequisite(s): Admission to teacher education. Description: Leading teachers to understand and apply current technologies in classroom instruction. The tools of technology are explored for their creative application in education of P-12 children across the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 527. Inquiry into Early Childhood Education and Child Development 3 Units Prerequisite(s): Graduate Status. Description: Examination of physical, cognitive, language, affective and social development of typically and atypically developing children from conception to age five, with implications for early childhood education. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 505. Challenging Advanced Learners 1 Unit Prerequisite(s): EDTP 450 (or concurrent), EDTP 612 (or concurrent), EDTP 613 (or concurrent), EDTP 615 (or concurrent), EDTP 616 (or concurrent), EDTP 617 (or concurrent), EDTP 618 (or concurrent), EDTP 619 (or concurrent), or permission of instructor. Description: Study of methods for identifying gifted/talented students and differentiating curriculum and instruction to meet their needs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 532. Interdisciplinary Early Childhood Education Curriculum 3 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the professional program; concurrent enrollment in EDTP 542. Description: Research-based approaches to planning and implementing developmentally appropriate standards-based classroom activities, lessons, and materials that develop literacy, mathematics, science, and social studies learning in young children birth through age five. Also includes examination of contemporary early childhood curricula and approaches appropriate for children from diverse cultural backgrounds. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 506. Public Schools in America: Understanding our Past to Envision our Future 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Admission to Teacher Education Program. Description: An examination of the historical and philosophical foundations of education in a socially and culturally diverse country. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 535. Classroom Speech Correction 3 Units For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 511. Proficiency Evaluation in Interdisciplinary Early Childhood Education 3 Units Grading Basis: Pass/Fail Term Typically Offered: Occasionally Offered Prerequisite(s): Bachelor's degree in early childhood, special education, or child development, two years of successful experience as an early childhood lead teacher or director. Description: Designed for degreed, experienced early childhood professional to document proficiency on the KY IECE Teacher Standards of the Child Care Director's Credential. Note: Does not count toward a master's degree.</p>	<p>EDTP 536. Theories of Play 3 Units Prerequisite(s): Graduate status. Description: Offers knowledge about how play contributes to young children's development and learning. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 522. Methods of Teaching Grammar, K-12 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Admission to Teacher Education. Description: Examination of K-12 Common Core State Standards for Language and best practices in grammar study. Development of research-based lessons and strategies for teaching grammar in the context of reading and writing instruction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>EDTP 537. Infant/Toddler Development & Care 3 Units Prerequisite(s): Graduate status. Description: Examines the development and educational needs of children from birth to age three. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>EDTP 540. Teaching Adolescent Readers 3 Units Description: Examines active reading processes, instructional strategies, and appropriate adolescent literature for teaching both the developmental and the remedial reader in secondary language arts. Note: Cross-listed with EDAP 540.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

EDTP 541. Teaching Middle School 3 Units

Description: An in-depth study of philosophy, organizational patterns, developmental issues, and curriculum concepts related to teaching at the middle level.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 542. Interdisciplinary Early Childhood Education Curriculum Field Experience 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Prerequisite(s): Admission to the professional program; concurrent enrollment in EDTP 532.

Description: Field experience in public and private preschool classrooms. To be taken in conjunction with EDTP 532.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 580. Digital Citizenship: Technology and Teaching 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to Teacher Education or consent of instructor.

Description: Teachers understand and apply the concept of digital citizenship as they explore the creative application of current tools of technology in the education of K-12 children.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 581. Technology Applications for Mathematics Teaching 3 Units

Prerequisite(s): Admission to the Middle School or Secondary MAT program or consent of instructor.

Description: Methods, materials, and techniques to support the meaningful and appropriate use of technology in the teaching of middle and high school mathematics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EDTP 582. Technology Applications for Science Teachers 3 Units

Prerequisite(s): Admission to Middle School or Secondary MAT program or consent of instructor.

Description: Methods, materials, and techniques to support the meaningful and appropriate use of technology in the teaching of middle and high school science.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Educational and Counseling Psychology (ECPY)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ECPY 218. Workshop in Educational Psychology I 1-4 Units

Grading Basis: Pass/Fail

Prerequisite(s): Faculty consent.

Description: Topical workshop on Educational Psychology.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECPY 219. Workshop in Educational Psychology II 1-4 Units

Grading Basis: Pass/Fail

Prerequisite(s): Faculty consent.

Description: Topical workshop on Educational Psychology.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECPY 302. Seminar on Personal and Academic Inquiry 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 101 and ENGL 102 (or equivalent).

Description: This seminar is designed for second-year undergraduate students who are undeclared, are pre-unit majors, or are in transition between majors. By exploring an academic topic or theme of personal interest, students will develop skills that will assist them in the exploration of a major and/or career. Students will document their journeys and produce a personal academic plan, which can be refined (or modified, adjusted) beyond the course, by the end of the semester. An instructional team made up of a faculty member, an advisor, and librarian will lead the course.

Note: Please contact Exploratory Advising for permission to enroll at 502-852-7969.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECPY 305. Human Development and Learning 3 Units

Prerequisite(s): PSYC 201.

Description: How children and adolescents grow, learn, and develop socially, physically, emotionally, and mentally the implications for learning, the learning process, and purposeful observation of behavior.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ECPY 355. Developing Campus Leadership 3 Units Term Typically Offered: Fall, Spring Description: An examination of leadership issues for current and prospective campus leaders. Involvement in an on-campus group or organization is required. Topics include ethical decision-making, effective communication, issues of power and conflict resolution. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 513. Individual Differences in Education 3 Units Prerequisite(s): Consent of instructor. Description: A survey of individual differences in socio-cognitive and personality areas of development based upon current literature. Ways to meet individual and group needs in educational settings; interpretation of individual differences for effective classroom instruction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 397. Topical Undergraduate Seminar in Educational Psychology 3 Units Term Typically Offered: Occasionally Offered Description: Selected topics as determined by student needs and interests. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 525. Topical Studies in Educational Psychology I 1-3 Units Prerequisite(s): Consent of instructor. Description: Investigation of current concerns and issues in educational psychology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 501. Independent Study in Educational Psychology 1-3 Units Prerequisite(s): To be arranged with the dean. Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 526. Topical Studies in Educational Psychology II 1-3 Units Prerequisite(s): Consent of instructor. Description: Investigation of current concerns and issues in educational psychology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 502. Independent Study in Educational Psychology 1-3 Units Prerequisite(s): To be arranged with the dean. Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 527. Workshop in Educational Psychology I 1-4 Units Prerequisite(s): Consent of instructor. Description: Topical workshop on educational psychology concerns. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 507. Learning Theory and Human Growth and Development 3 Units Description: Basic principles of learning theory and human development. Included are the major theories of learning including behaviorism, cognitive, and cultural historical activity theory along with physical, social, cognitive, emotional, language, and cultural development as they apply to children and youth including those with special needs. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 528. Workshop in Educational Psychology II 1-4 Units Prerequisite(s): Consent of instructor. Description: Topical workshop on educational psychology concerns. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 512. Learning and Cognition in Education 3 Units Prerequisite(s): Consent of instructor. Description: A survey of major theoretical models in the area of cognition and learning. Emphasis upon applications of theory in the classroom and in counseling. Implications are drawn from several models and contrasted in the context of the individual student's readiness, motivation and aptitude. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 540. Evaluation and Measurement in Education 3 Units Description: Intended to acquaint the student with evaluation and measurement in education and counseling. Content will include reliability, validity, test construction, and methods of evaluation and testing in various settings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECPY 512. Learning and Cognition in Education 3 Units Prerequisite(s): Consent of instructor. Description: A survey of major theoretical models in the area of cognition and learning. Emphasis upon applications of theory in the classroom and in counseling. Implications are drawn from several models and contrasted in the context of the individual student's readiness, motivation and aptitude. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECPY 596. Seminar in Guidance 1-4 Units Prerequisite(s): Majors are urged to take seminars prior to or concurrent with practicum. Description: The investigation of special problems in counseling. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ECPY 597. Seminar in Guidance 1-4 Units Prerequisite(s): Majors are urged to take seminars prior to or concurrent with practicum. Description: The investigation of special problems in counseling. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

Electrical and Computer Engineering (ECE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ECE 100. Special Topics in Electrical and Computer Engineering 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Spring Only

Prerequisite(s): ENGR 100, Freshman standing, consent of instructor.

Description: Provides an enrichment experience for freshman engineering students in an advanced topic in Electrical and Computer Engineering.

Note: Does not count toward a major in Electrical Engineering.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 210. Logic Design 3 Units

Term Typically Offered: Fall, Spring, Summer

Corequisite(s): ECE 211.

Description: Enrollment restricted to Electrical and Computer Engineering and Computer Engineering and Computer Science students only, or with permission of the Electrical and Computer Engineering Department Chair. Number systems, base conversions, and codes. Complementary arithmetic, boolean algebra, logic gates, IC logic families, MSI applications, flip-flops, registers, counters, memories, arithmetic circuits, and analysis and synthesis of combinational and sequential circuits.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 211. Logic Design Laboratory 1 Unit

Term Typically Offered: Fall, Spring, Summer

Corequisite(s): ECE 210.

Description: Design-oriented experiments on combinational and sequential logic circuits, using integrated circuit components.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 220. Network Analysis I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): PHYS 299; ENGR 205 (or concurrent).

Corequisite(s): ECE 221.

Description: Enrollment restricted to Electrical and Computer Engineering students only, or with permission of the Electrical and Computer Engineering Department Chair. Topics include basic circuit laws, circuit solving methods, independent and dependent sources, resistance, inductance, capacitance, introduction to operational amplifiers, Thevenin's Theorem, superposition, first and second order circuits, power, energy, AC circuit analysis using impedance, phasors, and the power triangle, and balanced three-phase power, and critical thinking.
Note: Tablet PC required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 221. Network Analysis I Laboratory 1 Unit

Term Typically Offered: Fall, Spring

Prerequisite(s): PHYS 299, ENGR 205 (or concurrent).

Corequisite(s): ECE 220.

Description: Enrollment restricted to Electrical and Computer Engineering students only, or with permission of the Electrical and Computer Engineering Department Chair. An introductory laboratory with experiments in the use of measurement instruments and the measurement of network characteristics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 252. Introduction to Electrical Engineering 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 201 (or concurrent).

Description: DC/AC circuits. Linear network analysis. Impedance. Phasors. Complex Power. Transformers. Three-phase. Resonance. Solid-state devices. Integrated circuits. Op-amps. Electrical safety. RC filters. Sensors. Motors. Batteries.

Note: This course is for non-ECE students only.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 288. Electrical & Computer Engineering Cooperative Education Seminar 0 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to the ECE Department; CECS 130 (or concurrent), ECE 220 (or concurrent), ECE 221 (or concurrent).

Description: Discussion of the policies and procedures for cooperative education and instruction in job search techniques, including resume preparation, forwarding letters, and behavioral interviewing. The student performance appraisal is explained, along with how to be successful in the workplace. The job market is discussed along with company descriptions and the requirements for the Co-op Report are explained. Question and answer sessions are included with returning co-op students and co-op employers. The student also receives training in the use of University Career Services Management System.

Note: This seminar is a prerequisite for the first cooperative education term.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 289. Electrical & Computer Engineering Cooperative Education I 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 130, ECE 220, ECE 221 and ECE 288.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 309. Electronic Systems Design 3 Units

Term Typically Offered: Summer Only

Prerequisite(s): ECE 210, ECE 211, ECE 220, and ECE 221.

Description: Topics on the design, fabrication, and testing of electrical and electronic circuits utilizing printed circuit boards (PCBs). The course will focus on practical electronics, schematic capture, board layout, standards, soldering, and troubleshooting of electronic systems. The course will have a lecture component along with lab implementation of course concepts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 320. Network Analysis II 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 220 and ENGR 205.

Description: A continuation of ECE 220. Topics include Laplace transforms, network theorems, transfer functions, time-domain analysis, frequency response, operational amplifier circuits, filters, Bode plots, resonance, two-port networks, mutual inductance and transformers.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 322. Introduction to ECE Computing Tools 1 Unit

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): CECS 130 (or concurrent).

Description: Introduction to scientific programming in MATLAB. Numerical variables, control structures, arrays, functions, and file input/output, plotting. Critical thinking skills. Software reporting standards. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 333. Electronics I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ECE 220 and ECE 221.

Corequisite(s): ECE 320 and ECE 334.

Description: Introduction to electronic devices and the basic circuits. The course deals with the op-amp, the diode, the bipolar junction transistor, and the field-effect transistor. Biasing, small-signal and large signal analysis and the principles employed in the design of electronic circuits are included in the course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 334. Electronics I Lab 1 Unit

Term Typically Offered: Fall, Spring

Prerequisite(s): ECE 221.

Corequisite(s): ECE 320 and ECE 333.

Description: Weekly laboratory to illustrate experimental analysis and design principles of electronic circuits.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 360. Probabilistic Methods in Electrical and Computer Engineering 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ENGR 201; ECE 320 (or concurrent).

Description: An introductory treatment of probability theory including distribution and density functions, moments and random variables. Applications of normal and exponential distributions. Estimation of means, variances. Correlation and spectral density functions. Random processes and response of linear system to random inputs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 389. Electrical & Computer Engineering Cooperative Education II 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 289.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 400. Special Topics in Electrical & Computer Engineering 1-6 Units

Description: Exploration of one or more ECE topics not covered in the regular course offerings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 405. Undergraduate Project in Electrical & Computer Engineering 1-6 Units

Prerequisite(s): Approval of a faculty sponsor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 412. Introduction to Embedded Systems 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 210 and Junior standing, or faculty consent.

Description: Introduction to embedded systems; assembly language programming; parallel and serial data transfer; polling, interrupts, and servicing of interrupts; software and hardware timing; analog-to-digital and digital-to-analog conversion. Projects on interfacing, system design, and implementation.

Note: Cross-listed with CECS 412.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 420. Signals and Linear Systems 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ECE 320 and ECE 322.

Description: Analysis of continuous-time and discrete-time, discrete-parameter, time-invariant, linear systems based upon the convolution integral, Fourier series and transform, Laplace transform, Z-transform, and state-space methods. Topics include the impulse response, transfer function, energy spectra, filtering, sampling, and applications to networks, communications, and controls.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 473. Introduction to Electromagnetic Fields and Waves 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGR 205 and PHYS 299.

Description: Electrostatic and magnetostatic fields; Faraday's law; Maxwell's equations, electromagnetic properties of matter, uniform plane waves.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 489. Electrical and Computer Engineering Cooperative Education III 1 Unit

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 389.

Description: Full-time technical work experience related to the student's academic program.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 493. Independent Study in Electrical & Computer Engineering 1-6 Units

Prerequisite(s): Approval of a faculty sponsor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 496. Professional Issues and Current Topics Seminar 2 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Junior standing.

Description: Students receive instruction in making oral and written presentations to professional and technical audiences. Topics include ethical issues in engineering, and a selection of technical topics of current interest that promote the understanding of global, economic, environmental, sustainability, and societal impacts of engineering and critical thinking skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 497. Capstone Design in ECE - CUE 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ECE 412 and Senior standing; ECE 420 (or concurrent), ECE 496 (or concurrent), and ECE 5xx/5xx elective & lab (or concurrent); or permission of instructor.

Description: Students work in teams to design, build, test, and document an electrical, electronic, or electro-mechanical device or system, subject to realistic constraints, thus demonstrating their grasp of the concepts of electrical and computer engineering by successful completion of this culminating design experience.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ECE 500. Special Topics in Electrical Engineering 1-6 Units Term Typically Offered: Fall, Spring, Summer Description: Exploration of one or more ECE topics not covered in the regular course offerings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ECE 516. Microcomputer Design 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 412 or CECS 412 or consent of instructor. Description: Design and construction of microcomputers with microprocessors and digital integrated circuits. Breadboarding, hardware design and software design are emphasized. The class is separated into groups and each group designs, breadboards and tests a complete microcomputer system including interfaces to peripheral devices. Note: Cross-listed with CECS 525.</p>
<p>ECE 505. Graduate-Professional Project in Electrical Engineering 1-6 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Approval of a faculty sponsor. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ECE 518. Fundamentals of Computer Communications and Networks 3 Units Prerequisite(s): ECE 360 or IE 360; ECE 412. Description: Data communications: The exchange of data between devices is covered. The key aspects of transmission interfacing, link control, and multiplexing are examined. Data communication networking: Examines the internal mechanisms by which communication networks provide a data transfer service for attached devices. Note: Cross-listed with CECS 516.</p>
<p>ECE 510. Computer Design 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ECE 210 and ECE 211. Corequisite(s): ECE 511. Description: Review of logic design and elementary computer organization. Design of the central processing unit, memory, control, and input-output portions of a computer. The VHDL hardware design language will be used. Note: Cross-listed with CECS 510.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ECE 520. Digital Signal Processing 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ECE 420. Corequisite(s): ECE 521. Description: Discrete time signals and systems; Discrete Fourier Transforms, FFT algorithms, flow graph and the matrix representation of digital filters; FIR and IIR filter design techniques; quantization effects; spectral estimation; current applications of digital signal processing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECE 511. Computer Design Laboratory 1 Unit Prerequisite(s): ECE 210. Corequisite(s): ECE 510 or CECS 510. Description: Experiments in the design of the central processing unit, memory, control, and input-output portions of a computer using VHDL for software simulation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ECE 521. Digital Signal Processing Laboratory 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): ECE 420. Corequisite(s): ECE 520. Description: Focuses on the implementation of common digital signal processing functions using state-of-the-art DSP devices and software. Introduction to fundamentals of discrete-time signal processing and digital signal processor architectures and applications. Emphasis on laboratory experience involving generation of deterministic and random signals; digital filter design; quantization effects; FFT computation; linear system analysis; speech processing.</p>
<p>ECE 514. Introduction to VLSI Systems Laboratory 1 Unit Term Typically Offered: Occasionally Offered Prerequisite(s): ECE 510 (or concurrent) or CECS 510 (or concurrent) or consent of instructor. Corequisite(s): ECE 515. Description: Design of logic circuits and subsystems using CAD tools: layout, verification, parameter extraction, circuit- and logic-level simulation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ECE 515. Introduction to VLSI Systems 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): ECE 510 (or concurrent) or CECS 510 (or concurrent) or consent of instructor. Corequisite(s): ECE 514. Description: MOS devices and circuits, electrical and logic design principles. Fabrication steps, design rules, electrical parameters, extraction, delays. Logic/switch arrays, dynamic precharge logic, precharge forms, finite state machines, registers, memories, subsystem design examples. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>ECE 523. Introduction to Biometrics Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 420 and Senior standing. Description: Biometric approaches aim at identification based on a physical characteristic. Survey of biometric techniques with focus on non-intrusive approaches. Topics covered include image formation, sensors, motion tracking, and face recognition algorithms. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ECE 533. Integrated Circuit Design Term Typically Offered: Spring Only Prerequisite(s): ECE 333. Corequisite(s): ECE 534. Description: Analysis and design of analog integrated circuits. Bipolar, JFET, and MOS-FET devices. The technology of IC fabrication. Transistor connections, current sources, active loads, and output stages. Integrated amplifier and MOS circuit design. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>ECE 526. LabVIEW for Electrical Engineers Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 420 (or concurrent) or permission from the instructor. Description: Introduction to capabilities of LabVIEW software for electrical engineers. Weekly labs build mastery of LabVIEW applications such as: data acquisition and analysis, instrumentation, and DSP programming. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ECE 534. Integrated Circuit Design Laboratory Term Typically Offered: Spring Only Prerequisite(s): ECE 333. Corequisite(s): ECE 533. Description: Laboratory to illustrate design principles in ECE 533. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>ECE 530. Introduction to Random Processes and Estimation Theory Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 330; ECE 360 or IE 360; and ECE 420. Description: Introduction to the theory and applications of random processes, a nonmeasure-theoretic approach to the study of random variables, functions of random variables, least square estimation, convergence, stochastic representation, stationarity, ergodicity, Gaussian processes, Poisson processes, Markov chains, and random fields. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ECE 539. Industrial Software for Home Appliances Description: This course provides electrical engineering graduate students working in the major home appliance industry with an understanding of industrial software engineering fundamentals and their application to technologies associated with the design, development, and production of major household appliances such as refrigerators, washers, dryers, cooking products and dishwashers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4.5 Units</p>
<p>ECE 531. Power Electronics Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 333, ECE 334, and ECE 420. Description: Topics in power electronics including: power semiconductor devices; converter topologies and their applications; switched-mode DC and uninterruptible power supplies; motor drives; EMI concerns and remedies for interfacing to electric utilities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ECE 540. Fundamentals of Lasers Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 542 or ECE 473 and PHYS 355 or consent of instructor. Description: Topics to be discussed include interaction of light with matter, optical amplifiers, laser resonators, Gaussian and higher order optical beams, non-linear optics, and ultra-fast laser pulses. Note: Cross-listed with PHYS 547. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>ECE 532. Electromechanical System Designs for Home Appliances Term Typically Offered: Fall, Spring, Summer Description: An integrated study of advanced electrical engineering and software engineering fundamentals and their application to technologies associated with the design, development, and production of modern major household appliances. This class is designed for GE Appliances Edison students or GE Appliances employees enrolled in the ECE program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4.5 Units</p>	<p>ECE 541. Engineering Optics Laboratory Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ECE 540 (or concurrent). Description: Computer-aided design-oriented series of fundamental optics experiments ranging from thin lens experiments, diffraction, interference, laser coherence and birefringence. Abbe theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>ECE 533. Integrated Circuit Design Term Typically Offered: Spring Only Prerequisite(s): ECE 333. Corequisite(s): ECE 534. Description: Analysis and design of analog integrated circuits. Bipolar, JFET, and MOS-FET devices. The technology of IC fabrication. Transistor connections, current sources, active loads, and output stages. Integrated amplifier and MOS circuit design. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ECE 542. Semiconductor Device Fundamentals Term Typically Offered: Fall, Spring Prerequisite(s): ENGR 205 or MATH 405; PHYS 300. Description: Semiconductor fundamentals, energy bands, carrier transport theory, continuity equations, PN junction diodes, Zener diodes, MOS capacitors, MOSFETs, microelectronic fabrication, and select other topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

ECE 564. Fundamentals of Autonomous Robots

Term Typically Offered: Fall Only

Prerequisite(s): Senior standing, or permission of instructor.

Corequisite(s): ECE 565.

Description: Fundamentals of autonomous robots: sensors, path planning, machine perception, basic principles of AI, modeling, control and architecture. Case studies in industry and medicine will be discussed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 565. Fundamentals of Autonomous Robots Lab

Term Typically Offered: Fall Only

Prerequisite(s): Senior standing, or permission of instructor.

Corequisite(s): ECE 564.

Description: An autonomous robots laboratory experience in which the student becomes familiar with designing and building autonomous robots, using sensors, applying robotic paradigms and controller design. A final robotic competition will be held at the end of the semester.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 569. Intermediate Electromagnetic Fields and Waves

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 473.

Description: General curvilinear coordinates. Electromagnetic energy transmission. The wave equation, Poynting theorem and plane wave propagation in media. Transmission lines and impedance matching.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 581. Electric Machines and Drives

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 473.

Description: Operating principles and characteristics of DC, induction, synchronous motors/generators. AC/DC electric-machine drives for speed/position control. Integrated discussion of electric machines, power electronics, and control systems. B and H in ferromagnetic materials. Magnetic circuits. Transformers. Dynamic equations of magnetic systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 582. Power System Analysis

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ECE 473.

Description: Three-phase circuits. Inductance and capacitance of transmission lines. Circuit models. Per-unit representation. Network methods. Load-flow studies. Load-flow control. Economic dispatch. Symmetrical three-phase faults.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ECE 593. Independent Study in Electrical Engineering

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Approval of a faculty sponsor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

3 Units

1 Unit

3 Units

3 Units

3 Units

1-6 Units

ECE 595. Graduate/Professional Seminar in Electrical & Computer Engineering

1 Unit

Term Typically Offered: Fall, Spring, Summer

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Engineering Fundamentals (ENGR)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ENGR 101. Engineering Analysis I - QR

4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): MATH ACT of 27 or successful completion of ENGR 190 or equivalent.

Description: Introduction to vector methods and development and use of differentiation and integration to solve engineering problems, including those involving motion, related rates, optimization, moments and centers of mass.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGR 102. Engineering Analysis II

4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 101.

Description: Development and use of: integrating techniques, transcendental functions, vectors in three dimensions, polar coordinates, and power series to solve engineering problems, including work, hydrostatic force, statics, heating, cooling, and catenaries.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ENGR 110. Engineering Methods, Tools, and Practice I 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Must be a Speed School of Engineering Student. Description: ENGR 110 is designed to provide first-year engineering students with an introduction to critical thinking, essential methods, tools and skills for success in engineering. Activities and assignments will focus on developing skills and knowledge in: engineering professionalism (ethics, culture, and risk), basic programming, graphical communication, problem solving, design analysis, and teamwork (including diversity and inclusion). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ENGR 190. Introductory Calculus - QR 4 Units Term Typically Offered: Fall Only Prerequisite(s): Math ACT of 24 or higher. Description: Review of algebra, trigonometry, analytic geometry, and introduction of elementary calculus in preparation for Engineering Analysis I. Note: This course may not be used for credit toward the JB Speed School of Engineering BS and MENG degrees. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ENGR 111. Engineering Methods, Tools and Practice II 2 Units Term Typically Offered: Spring, Summer Prerequisite(s): ENGR 110. Description: ENGR 111 requires students to apply and demonstrate the skills developed in ENGR 110 by successfully completing a team design project. Oral and written presentations are required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ENGR 201. Engineering Analysis III 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 102. Description: Development and use of: partial derivatives, Lagrange multipliers, Fourier series, vector-valued functions, and multiple integrals to solve engineering problems, including those involving thermodynamics, motion, fluid flow, curl, flux, and divergence. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ENGR 149. Introduction to Engineering Graphics 1 Unit Description: Designed for transfer students who require a prerequisite course in Engineering Graphics upon entering J.B. Speed School of Engineering, but who do not take ENGR 110 and ENGR 111. ENGR 149 offers a comprehensive introduction to 3D visualization, freehand sketching, and construction of engineering drawings using manual drawing techniques. An introductory unit of construction of 3D part models using SolidWorks is also included. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ENGR 205. Differential Equations for Engineering 2 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 201. Description: First- and higher-order differential equations (DE), systems of DE, partial DE, difference equations, numerical methods, Laplace transforms, engineering applications involving mechanical vibrations, electrical circuits, impact forces, and mixing problems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ENGR 150. Engineering Graphics Fundamentals 2 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Must be a Speed School of Engineering Student. Description: An introduction to the concepts of engineering graphics including 2-dimensional and 3-dimensional drawings and related industry standards. Freehand sketching and computer generated 2D and parametric solid model (3D) drawing is included. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ENGR 209. ELLC Summer Research Project 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Summer Only Prerequisite(s): Permission of the department; student must have participated in the Engineering Living-Learning Community during the most recent academic year. Description: Selected students will participate in a ten week research experience with a specific faculty member within their engineering department. Departments include: Bioengineering, chemical Engineering, Civil Engineering, Computer Engineering and Computer Science, Electrical and Computer Engineering, Industrial Engineering, and Mechanical Engineering. Students will meet as a group three times in the summer semester and will be required to spend a total of ten hours per week working with their faculty mentor. Oral and written presentations at the end of the summer semester are required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>ENGR 151. Engineering Graphics Technology 1 Unit Term Typically Offered: Fall, Summer Prerequisite(s): ENGR 110 or ENGR 149. Description: This course builds on manual drawing skills learned in ENGR 110, and introduces students to the concepts of engineering graphics using two-dimensional and three-dimensional computer aided drawing programs, dimensioning of drawings and applicable industry standards are also included. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

ENGR 307. Numerical Methods for Engineering 2 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** ENGR 201 and ENGR 205.**Description:** Errors and error propagation, solving one and several equations, polynomial interpolation and divided differences, least squares approximation, numerical differentiation and integration, eigenvalues, eigenvectors, solving ordinary and systems of differential equations.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ENGR 330. Linear Algebra for Engineering** 2 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** ENGR 201.**Description:** Elimination and LU-factorization, dimension, rank, and nullspace, linear transformations and similarity, orthogonally and least squares, eigentheory and diagonalizability, linear differential equations and systems of linear differential equations.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ENGR 393. Independent Study in Engineering Fundamentals** 1-6 Units**Prerequisite(s):** Consent of a faculty sponsor.**Description:** Independent study in any engineering fundamentals related area under the guidance of a faculty member.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ENGR 400. Special Topics in Engineering Fundamentals** 1-6 Units**Term Typically Offered:** Occasionally Offered**Description:** Investigation of topics in any engineering fundamentals related areas that are not covered in regular courses. Topics will be announced in the Schedule of Courses.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ENGR 405. Practicum in Engineering Fundamentals Education** 1-3 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** ENGR 205 and Consent of Instructor.**Description:** A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes field experience as an undergraduate teaching assistant. Permission to enroll required. May be repeated for a maximum of 3 hours.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**ENGR 589. Research Methods for Engineering and Engineering Education** 3 Units**Description:** This course will have students: learn how to engage in ethical conduct as researchers; acknowledge, reference, and document resources in organized ways; review and evaluate research in a critical and professional manner; synthesize existing literature to craft arguments; complete training for human subjects research (CITI Training); and write research questions that align with methods. It will also provide an overview of research methods: qualitative, quantitative, and mixed research methods.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Engineering Management (EM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EM 525. Project Management 3 Units**Prerequisite(s):** Admission into the Industrial Engineering or Engineering Management program or instructor permission.**Description:** Use of CPM, PERT, precedence diagramming, resource allocation heuristics, and other techniques for planning, managing, and controlling engineering projects involving research and development, production, maintenance, and construction. Computer procedures and codes for analyzing complex project networks will be covered.**Note:** Cross-listed with IE 525.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**EM 560. Construction Management** 3 Units**Prerequisite(s):** Admission into the Engineering Management program or instructor permission.**Description:** An investigation of the engineer's role in the construction process. Study of the many variables influencing the project and associated methods of managing variables. Includes a practical demonstration of student's understanding schedule and cost estimate for a project of the student's choosing.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**EM 561. Engineering Statistics I** 3 Units**Prerequisite(s):** Admission into the Engineering Management program or instructor permission..**Description:** Study of the laws of probability, discrete and continuous probability distributions, point and interval estimation, tests of hypothesis, simple linear regression, and the single factor analysis of variance.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EM 582. Management of Human Systems 3 Units

Prerequisite(s): Admission into the Engineering Management program or instructor permission.

Description: Computer-aided, quantitative application of human performance capabilities and limitations to the planning, design, development, and evaluation of complex human-machine/industrial systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

English (ENGL)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ENGL 101. Introduction to College Writing - WC 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Meet admission requirements of the University of Louisville.

Description: Students engage in critical thinking and writing by developing their writing processes and producing finished prose. Required writing consists of multiple drafts of 4-6 papers of varying lengths.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 102. Intermediate College Writing - WC 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGL 101 or equivalent.

Description: Students practice more sophisticated approaches to writing processes and products with an emphasis on how literacy functions in U.S. society, both with and outside of the academy. Additional emphasis on conducting primary and secondary research, generating longer texts, improving critical reading, and awareness of how diversity is reflected within literacy practices in U.S. society. Required writing consists of multiple drafts of at least four papers of varying lengths, with one extended documented paper.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 105. Advanced Composition for Freshmen - WC 3 Units

Term Typically Offered: Fall, Spring

Description: Open only to exceptionally qualified students who have been notified of their eligibility. Completion discharges the general education requirement for two terms of freshman composition. Extensive practice of writing and reading, with several assignments requiring research.

Note: Credit may not be received for both ENGL 102 and ENGL 105.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 202. Introduction to Creative Writing - AH 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105 or equivalent.

Description: This class focuses on the writing of poetry, fiction, and drama and on the analysis of professional writings. Coursework includes class discussion, peer critique of student-authored works, individual writing assignments, and other learning activities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 250. Exploring Literature - AH 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105, or the equivalent.

Description: Strategies for reading and interpreting poetry, fiction, and one other genre.

Note: Designed for non-majors.

Note: Credit hours will not count towards total hours taken within the English department for majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 260. Exploring Literature in a Global Context - AH, D2 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105 or equivalent.

Description: Reading, analyzing, talking about and writing about different kinds of literature, from around the world.

Note: Designed for non-majors.

Note: Credit hours will not count towards hours taken within the English Department for majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 270. Exploring Literature and Mythology - AH 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105, or equivalent.

Description: The nature and function of myth, mythmaking, and mythologies, in their relation to the study of literature. Literary works chosen from various traditions of literature's written in English.

Note: Designed for non-majors.

Note: Credit hours will not count towards total hours taken within the English Department for majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 280. Exploring Popular Culture and Genre - AH 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105 or the equivalent.

Description: Practices of reading, analyzing, discussing, and writing about popular culture and genre. Engages with popular culture texts in ways that promote critical thinking about how and what they communicate.

Note: Designed for non-majors.

Note: Credit hours will not count towards hours taken within the English Department for majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 290. Exploring Rhetoric, Writing, and Society - AH 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105 or the equivalent.

Description: Explores the intersection of rhetoric, writing, and diverse models of social expression and representation within texts from a variety of genres. Engages with texts in ways that promote critical thinking about how and what they communicate.

Note: Designed for non-majors.

Note: Credit hours will not count towards total hours taken within the English Department for majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 300. Introduction to English Studies - WR 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGL 102 or ENGL 105.

Description: An introduction to English Studies, providing an overview of forms such as poetry, drama, and the novel, and an introduction to terminology and methods used in analyzing texts.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 301. British Literature I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105.

Description: A survey course of British writers. Historical period: pre-1700.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 302. British Literature II 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105.

Description: A survey course of British writers. Historical period: 1700-1900.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 303. Scientific and Technical Writing - WR 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGL 102 or ENGL 105.

Description: Designed for advanced students (juniors and seniors) studying science and technology in engineering, natural sciences (biology, chemistry, physics, mathematics), and computer sciences. Concentrates on writing in a variety of scientific and technical forms of discourse. Emphasizes practicing writing processes, secondary research, and problem-solving; recognizing the rhetorical character of scientific and technical discourse with its multiple purposes and audiences; evaluating and integrating a variety of written, visual, and oral elements of design; and developing field-specific vocabularies for talking about this discourse.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 304. Creative Nonfiction 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 202 or permission of instructor.

Description: Focuses on the writing of creative nonfiction; analysis of professional technique and of student writing. Class discussion and individual conferences.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 305. Intermediate Creative Writing Workshop 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 202.

Description: Each section focuses on the writing of either fiction or poetry or drama; analysis of professional technique and of student writing. Class discussion and individual conferences.

Note: Schedule of courses indicates sections devoted to poetry, fiction, and drama respectively.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 306. Business Writing - WR 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGL 102 or ENGL 105.

Description: Designed for advanced Business students and Arts and Sciences students anticipating careers in law, business, or government. Concentrates on writing in a variety of forms of business discourse. Emphasizes practicing writing processes, developing an appropriate style, learning professional problem-solving, integrating oral and written communication, and using new communication technologies.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ENGL 309. Inquiries in Writing - WR** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105.
Description: Focuses on responding to differing rhetorical situations at an advanced level in appropriate modes for diverse audiences. Emphasizes creating and revising several substantial writing projects. Develops critical reading and writing abilities in multiple genres.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 310. Writing About Literature for Non-Majors - WR** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102 or ENGL 105.
Description: Extensive practice in literary analysis and in the forms and conventions of writing about various literary genres.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 311. American Literature I** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A survey of American writers. Historical period: 1700-1900.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 312. American Literature II** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A survey of American writers. Historical period: post-1900.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 325. Introduction to Linguistics** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105.
Description: Introduction to the basic assumptions, methods and concepts of studying language, focusing on the way language influences human experience and the organization of human behavior. Examines the nature, structure and use of language; may apply as elective in either Social Sciences or Humanities, meeting divisional or out-of-divisional requirements.
Note: Cross-listed with LING 325.
Note: Students with credit for LING 518 or ENGL 518 may not take this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 330. Language and Culture - AH, D1** 3 Units
Term Typically Offered: Fall, Spring, Summer
Description: An ethnographic perspective to the study of language, investigating how it is used to create and maintain social institutions and rituals, and how it differentiated across genders and ethnicities.
Note: Cross-listed with ANTH 343 and LING 330.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 333. Shakespeare I** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A study of selected plays of Shakespeare. Historical period: pre-1700.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 334. Shakespeare II** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A study of selected plays of Shakespeare. Historical period: pre-1700.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 342. Black Women Novelists - AH, D2, WR** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ENGL 102 or ENGL 105.
Description: Study of selected novels by contemporary African, African-American, and Caribbean women writers, in-depth and in-comparative study. Historical period: post-1900. (Humanities)
Note: Cross-listed with PAS 342 and WGST 342.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 350. Special Topics in Creative Writing** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 304 or ENGL 305, or permission of instructor.
Description: Creative Writing course designed for students who wish to increase their aptitude as writers.
Note: Topics to be announced in the Schedule of Courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 368. Minority Traditions in English Literatures - AH, D2** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105 or the equivalent.
Description: This course examines literature's by under-represented groups from non-U.S. societies. It explores a variety of literary forms in relationship to social factors such as class, race, ethnicity, religion and/or indigeneity.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ENGL 369. Minority Traditions in American Literature - AH, D1** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102 or ENGL 105 or the equivalent.
Description: This course examines the works of authors from underrepresented groups, including African, LatinX, Asian,/Pacific Islander, and/or Native American populations in the United States. We will analyze literary texts in relation to social factors such as class, race, ethnicity, gender, sexuality, religion, disability, and/or indigeneity. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 370. Study Abroad** 3 Units
Term Typically Offered: Fall, Summer
Prerequisite(s): Permissions of Director of Undergraduate Studies, Department of English.
Description: Credit for study abroad courses in accredited programs. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 371. Special Topics in English and American Language and Literature** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105.
Description: Exploration of one or more topics not covered in the regular course offerings.
Note: A maximum of 6 hours in special topics may be counted toward the major.
Note: Topics to be announced in the Schedule of Courses.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 372. Special Topics in English and American Language and Literature** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105.
Description:
Note: A maximum of 6 hours in special topics may be counted toward the major.
Note: Topics to be announced in the Schedule of Courses.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 373. Women and Global Literature - AH, D2** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102, or ENGL 105, or WGST 199, or equivalent.
Description: This course examines literatures by women writers and about women subjects from non-U.S. societies, exploring a variety of literary forms in relationship to social factors such as class, race, ethnicity, religion, sexuality and/or indigeneity.
Note: Cross-listed with WGST 325.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 374. Gender and Children's Literature - AH, D1** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ENGL 102, or ENGL 105, or WGST 199.
Description: Examination of gender in British and North American literature for children/young adults from the late 19th century to the present with attention to the intersection of gender with common themes (e.g., heroic journey). Historical period: post-1900.
Note: Cross-listed with WGST 326.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 375. LGBTQ Literature in the United States - AH, D1** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102, or ENGL 105, or WGST 199, or equivalent.
Description: This course examines LGBTQ literature by U.S. writers and explores the portrayal of LGBTQ identities through a variety of literary forms and in relationship to social factors such as class, race, ethnicity, and/or location.
Note: Cross-listed with WGST 375.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 381. Modern Poetry in English** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A study of major poets writing in English, 1900-1960. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 382. Contemporary Poetry in English** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A study of selected poetry in English since 1955. Historical period: post-1900. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 391. Studies in the Novel** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105.
Description: A survey of prose fiction to 1870, establishing standards for the novelistic tradition. Historical period: 1700-1900. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 394. American Short Fiction** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105.
Description: The development, over two centuries, of such forms as the sketch, tale, short story, and novella. Historical period: 1700-1900. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 401. Honors Seminar - WR **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ENGL 102 or ENGL 105; membership in English Honors Program.

Description: Honors seminar in selected topics in English.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Two seminars required of all students within the departmental honors program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 402. Honors Seminar - WR **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): ENGL 102 or ENGL 105, membership in English Honors Program.

Description:
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Two seminars required of all students within the departmental honors program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 403. Advanced Creative Writing **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 305 and consent of instructor.

Description: Multi-genre creative writing course designed for students who wish to increase their aptitude as writers of drama, fiction or poetry.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 413. British Literature from the Beginning through Shakespeare - WR **3 Units**

Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105; ENGL 310 or ENGL 300.
Description: Study of selected works, in a variety of genres, from the beginning through Shakespeare. Taught with attention to historical and cultural context. Historical period: pre-1700.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Formerly ENGL 313; credit may not be earned for this course by students with credit for ENGL 313.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 414. British Literature from Shakespeare through the Neoclassical Period - WR **3 Units**

Term Typically Offered: Spring Only
Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 415. Nineteenth-Century British Literature - WR **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, from British literature of the nineteenth century. Taught with attention to historical and cultural context. Historical period: 1700-1900.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Formerly ENGL 315; credit may not be earned for this course by students with credit for ENGL 315.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 416. Modern British and Irish Literature - WR **3 Units**
Term Typically Offered: Spring Only

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.
Description: Study of selected works, in a variety of genres, from British and Irish literature, 1900 to the present. Taught with attention to historical and cultural context. Historical period: post-1900.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Formerly ENGL 316; credit may not be earned for this course by students with credit for ENGL 316.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 417. Contemporary British and Post-Colonial Literature - WR **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.
Description: Study of selected works, in a variety of genres, from contemporary British literature and the literature of former colonies. Taught with attention to historical and cultural context. Historical period: post-1900.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Formerly ENGL 317; credit may not be earned for this course by students with credit for ENGL 317.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 418. American Literature to 1830 - WR **3 Units**
Term Typically Offered: Occasionally Offered

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.
Description: Study of selected works, in a variety of genres, from American literature produced before 1830. Historical period: 1700-1900.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Formerly ENGL 318; credit may not be earned for this course by students with credit for ENGL 318.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 419. American Literature from 1830 to 1865 - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, from American Literature produced from 1830 to the Civil War. Historical period: 1700-1900.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Formerly ENGL 319; credit may not be earned for this course by students with credit for ENGL 319.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 420. American Literature from 1865 to 1910 - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, from the Civil War to 1910. Taught with attention to historical and cultural context. Historical period: 1700-1900.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Formerly ENGL 320; credit may not be earned for this course by students with credit for ENGL 320.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 421. American Literature from 1910 to 1960 - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, from 1910 to 1960. Taught with attention to historical and cultural context. Historical period: post 1900.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Formerly ENGL 321; credit may not be earned for this course by students with credit for ENGL 321.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 422. American Literature from 1960 to the Present - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, from 1960 to the present day. Taught with attention to historical and cultural context. Historical period: post-1900.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Formerly ENGL 322; credit may not be earned for this course by students with credit for ENGL 322.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 423. African-American Literature from 1845 to the Present - WR 3 Units

3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: Study of selected works, in a variety of genres, by African American writers from 1845 to the present day. Taught with attention to historical and cultural context. Historical period: post-1900.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Formerly ENGL 323; credit may not be earned for this course by students with credit for ENGL 323.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 450. Cooperative Internship in English Studies 3 Units

3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Declared English major, with minimum 3.0 GPA; Junior standing; at least 6 hours of English after ENGL 101 and ENGL 102; permission of instructor.

Description: An individually-arranged course for an academic project cooperatively arranged with the student's employer and the English Department Director of internships.

Note: May not receive credit for both ENGL 450 and ENGL 555.

Note: May be used to meet requirements of the English major; may not be used to meet requirements of English minor.

Note: May not be repeated.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 460. Studies in Individual Authors - WR 3 Units

3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: An intensive study in the works of one or a small grouping of authors.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: May be repeated once for credit.

Note: Historical period varies by semester; see schedule of courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 470. Studies in Literary Movements - WR 3 Units

3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.

Description: An intensive study in the works from a particular literary movement (e.g., Magical Realism, Postmodern Fiction, or Visual Poetry).

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: May be repeated once for credit.

Note: Historical period varies by semester; see schedule of courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ENGL 491. Interpretive Theory: The New Criticism to the Present** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102 or ENGL 105; ENGL 300 or ENGL 310.
Description: Study of selected theories for the interpretation of literary and other texts, from the New Criticism to the present.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 492. Special Topics in Interpretive Theory** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or 105; ENGL 300 or 310; Junior standing.
Description: An in-depth investigation of a particular area of interpretive theory.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 501. Independent Study** 3 Units
Prerequisite(s): Overall GPA of 3.0, an average of 3.5 in the department, and at least 18 semester hours credit in the department.
Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 502. Independent Study** 3 Units
Prerequisite(s): Overall GPA of 3.0, an average of 3.5 in the department, and at least 18 semester hours credit in the department.
Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 504. Advanced Creative Writing II** 3 Units
Prerequisite(s): ENGL 305, or ENGL 403, or consent of instructor.
Description: Concentration on a given form.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 505. Advanced Technical Writing - WR** 3 Units
Prerequisite(s): ENGL 303, or writing sample with instructor's consent.
Description: Topic definition, audience analysis and editing strategies for technical reports, theses and articles in various disciplines.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 506. Teaching of Writing - CUE, WR** 3 Units
Prerequisite(s): ENGL 300, or ENGL 309, or ENGL 310, or consent of instructor.
Description: Introduction to the theory, research, and practice that informs the effective teaching of writing.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 507. The Teaching of Creative Writing - CUE, WR** 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Introduction to the theory, research, and practice that informs the effective teaching of creative writing.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 508. Literacy Tutoring Across Contexts and Cultures - WR** 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: The theory and practice of teaching writing in one-on-one and small group settings in academic, professional and community settings; pedagogical strategies for working with writers from a variety of backgrounds and contexts.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Students who complete this course will be eligible for tutoring internships.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 510. Cooperative Internship in English** 3 Units
Prerequisite(s): Approved only for graduate-level credit, permission of graduate director required; restricted to students in good standing (GPA 3.0 or above).
Description: An individually arranged semester-long project that combines English studies with workplace-based goals and responsibilities.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ENGL 515. Introduction to Old English** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Readings in the original language of Old English prose and poetry.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 518. Foundations of Language** **3 Units**
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: A survey of contemporary theories of language, from structuralism to transformational grammar; the relationship of linguistics to literature, psychology, philosophy, reading, and sociology.
Note: Cross-listed with LING 518.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 520. World Englishes** **3 Units**
Prerequisite(s): LING 325 or ENGL 325 (undergraduates only); minimum Junior standing.
Description: Exploration of the historical, social, and political context of the various varieties of English throughout the world; standardization, pidgins, and creoles will also be investigated.
Note: Cross-listed with LING 520.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 522. Structure of Modern English** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Examination of the structure of modern English language; emphasis on grammatical terminology and systems of classification. Students collect and analyze linguistic examples, spoken and written. Recommended for prospective English teachers.
Note: Cross-listed with LING 522.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 523. History of the English Language** **3 Units**
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: The evolution of modern English in terms of social, historical, and linguistic forces which molded it. Emphases include: Indo-European origins; Germanic sources and Latin, French, and Danish influences; structural and lexical change; development of dialect differences; colonial spread of English in technology, emergence of World Englishes.
Note: Cross-listed with LING 523.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 525. The Teaching of English as a Second Language** **3 Units**
Prerequisite(s): ENGL 102 or ENGL 105 and consent of instructor.
Description: A theoretical and practical approach to teaching English to students for whom English is not a native language. The linguistic bases of English, as well as the application of curriculum principles, will be considered.
Note: Cross-listed with LING 525.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 526. ESL Portfolio** **1 Unit**
Prerequisite(s): Completion of all other ESL requirements and consent of instructor.
Description: Assists teachers in submitting ESL portfolio for review in order to complete continuous assessment plan. Review takes place in the final phase of the course, of which self-assessment and peer assessment are components.
Note: Cross-listed with LING 526.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 535. Topics in Applied Linguistics** **3 Units**
Prerequisite(s): LING 325 or ENGL 325 (undergraduates only); minimum Junior standing.
Description: This course will focus on one aspect of applied linguistics. Topics may include discourse analysis, ESL teaching, language change, gender and language, or other relevant topics in applied linguistics.
Note: Cross-listed with LING 535.
Note: May be repeated up to a maximum of three times on different topics.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ENGL 541. Studies in Old and Middle English Literature - CUE** **3 Units**
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Readings in the original language of Old English prose and poetry. Pre-1700.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 542. Studies in Tudor and Elizabethan Literature - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers from the Tudor and/or Elizabethan periods. Historical Period pre-1700.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 543. Studies in Stuart and Commonwealth Literature - CUE 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics or groupings of writers from the Stuart and/or Commonwealth periods. Historical Period pre-1700.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 544. Studies in Restoration and Eighteenth-Century British Literature - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics or groupings of writers from the Restoration and/or Eighteenth Century periods. Historical Period: 1700-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 545. Studies in British Literature of the Romantic Period - CUE 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers of the Romantic period. Historical Period: 1700-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 546. Studies in British Literature of the Victorian Period - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers from the Victorian period. Historical Period: 1700-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 547. Studies in Modern British and/or Irish Literature - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers from the turn of the century through 1950. Historical Period: post-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 548. Studies in Contemporary British and/or Irish Literature - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers since 1950. Historical period: post-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 549. Studies in Post-Colonial and/or Ethnic Literature - CUE 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers since 1950. Historical period: post-1900.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 550. Studies in African-American Literature - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, topics, or groupings of African-American writers.
Note: Cross-listed with PAS 551.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 551. Special Topics in Literature in English 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description:
Note: Topics to be announced in schedule of courses.
Note: Historical period varies by semester.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 552. Special Topics in Literature in English 3 Units

Description: An examination of one or more specific areas of study in English. Historical period varies by semester.
Note: Topics to be announced in schedule of courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 554. Women's Personal Narratives - CUE 3 Units

Prerequisite(s): ENGL 102, or ENGL 105, or WGST 199; junior standing.
Description: Course examines issues such as race, class, religion, geography, and sexual orientation surrounding the writing/reading of women's personal narratives (e.g., diaries, letters, autobiographies, oral histories, biographies, and films) from the 19th and 20th centuries.
Note: Cross-listed with WGST 520.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 555. Cooperative Internship in English Studies - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): 90 hours; 3.0 GPA; declared English major; permission of instructor.
Description: An individually arranged course for an academic project cooperatively arranged with the student's employer and the English Department director of internships.
Note: May be used to meet requirements of the English major; may not be used to meet requirements of English minor.
Note: May not be repeated.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 561. Chaucer - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Close reading of the major works, in the context of medieval traditions and fourteenth-century English society. Historical period: pre-1700.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 562. Shakespeare - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Intensive study of selected drama and poetry of Shakespeare. Historical period pre-1700.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 563. Milton - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Intensive study of the poetry; background reading in Milton's biography and prose. Historical period: pre-1700.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 564. Selected Figures in American Literature - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Study of the works of a selected writer or grouping of writers, in literary, biographical, and/or social context.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 567. Post-Colonial Voices: Writing Experience in African Literature - CUE, WR 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Examination of "post-coloniality" through a selection of fiction and literary criticism by African writers. Historical period: post-1900.
Note: Cross-listed with PAS 567.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 570. Language and Social Identity 3 Units
Prerequisite(s): Junior standing; LING 325 or ENGL 325 for undergraduates.
Description: An introduction to the social systems and the language varieties found across societies. Additionally, students will objectively explore both linguistic and social norms.
Note: Cross-listed with LING 570.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 571. Studies in American Literature to 1865 - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics or groupings of writers before 1865.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 572. Studies in American Literature, 1865-1910 - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics, or groupings of writers from the Civil War to 1910. Historical period: 1700-1900.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 573. Studies in American Literature, 1910-1960 - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics or groupings of writers from 1910 to 1960. Historical period: post-1900.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 574. Studies in American Literature, 1960 - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected movements, genres, topics or groupings of writers from 1960 to present. Historical period: post-1900.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 575. Genre Studies in African-American Literature - CUE 3 Units
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of a selected genre of African-American Literature.
Note: Cross-listed with PAS 575.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 577. The Harlem Renaissance - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of the literature of the Harlem Renaissance in relation to other literary and artistic productions of the period. Historical period: post -1900.
Note: Cross-listed with PAS 577.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 581. Studies in Renaissance Drama - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of dramatic works by Shakespeare's contemporaries. Historical period: pre-1700.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 586. Studies in American Drama - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected American plays.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 591. History of Criticism: Plato to the New Criticism - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Study of selected theories for the interpretation of literary and other texts, from Plato to the New Criticism.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 595. Studies in Literature and Science - CUE 3 Units

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: In-depth study of selected American plays.
Note: Historical period varies by semester; see schedule of courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENGL 599. Advanced Studies in English - CUE, WR 3 Units

Prerequisite(s): ENGL 310; Junior standing.
Description: In-depth analysis of and intensive writing about a focused area of study within the discipline of English.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Entrepreneurship (ENTR)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ENTR 200. Elements of Entrepreneurship 3 Units

Prerequisite(s): ACCT 200, FIN 200, MKT 200 and MGMT 200.
Description: Exploration of the fundamental concepts and dynamics necessary for new venture creation. Students will learn how to turn an idea into a new venture: profit or not for profit. Students will learn how to incorporate the basics of Marketing, Finance, Management, Accounting, and Creativity. Students will progress through an intensive, hands-on, iterative writing process, culminating in a professional business plan.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENTR 350. Entrepreneurship 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): College of Business student or permission from Faculty Advisor to take Entrepreneurship Minor courses.

Description: The study of the activities associated with the creation, assessment, development and operation of new and emerging ventures. Students will have the opportunity to develop their new venture management skills through a combination of classroom exercises, case analysis, and the development of a business plan to support the initiation of a new venture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENTR 401. Entrepreneurship I 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Must be admitted to the Entrepreneurship minor.

Description: Focus on New Ventures, either within a company or external market.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENTR 402. Entrepreneurship II 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be admitted to the Entrepreneurship minor.

Description: Focus on efficiently and effectively allocating resources for implementing the venture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENTR 403. Entrepreneurship III 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Must be admitted to the Entrepreneurship minor.

Description: Launching and growing the venture with directed field/mentoring experience.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ENTR 499. Independent Study in Entrepreneurship 1-3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ENTR 401 and ENTR 402.

Description: A variety of contemporary topics in Entrepreneurship will be studied. Course content may vary but will not duplicate other course offerings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Equine Administration (EQIN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EQIN 202. Horse Industry Overview 3 Units

Term Typically Offered: Fall, Spring

Description: An overview of the history, cultural and economic impact of the relationship between humans and horses; the fundamentals of business management and their application to various equine operations, associations, and publications; and the structure, organizations, public policies, and economic trends in the horse industry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EQIN 203. Application of Software for Equine Operations 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): CIS 100 or CIS 250.

Description: Use of Microsoft Office to create business newsletters and databases. Hands-on-experience using various equine software packages; creation of a business web page using HTML; and field trips to industry data base sources.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EQIN 204. Equine Management 3 Units

Term Typically Offered: Fall Only

Description: An introduction to the nature of the horse, and to those challenges unique to the management of equine enterprises because of issues related to equine locomotion, health, nutrition, or reproduction. Emphasis on live-animal management practices that can dramatically affect profit and loss in equine-related enterprises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EQIN 205. A Global Perspective of Equine Industry 1 Unit

Description: A study of the increasing global scope of the equine industry and the economic, political and social forces influencing growth. Attention will be given to the effects of changing political systems, regulation, taxation, exchange rates, global competition, demographics and other forces.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- EQIN 398. Co-op in Equine II** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): EQIN 202 and EQIN 204; Junior or Senior standing; 3.0 GPA.
Description: Students must work in a segment of the industry of their choice under a cooperative agreement set up by the university. Both students and employers must agree to the terms of the agreement. A written paper is required on a project undertaken by the student (not a summary of what was observed on the job). Internships are generally taken during the summer unless taken at a commercial breeding farm when they are taken during the spring semester.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 399. Co-op in Equine III** 3 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of Equine Department.
Description: A new or continued workplace experience in an approved Equine position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 401. Equine Taxation** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): MATH 180.
Description: The focus will be on Federal income tax laws and their impact on the operations of horse owners and breeders. The "Business v. Hobby" issue will be addressed in depth by analyzing cases applying the nine regulatory factors used by the IRS and the courts to determine the issue. Other topics include: defining "income"; the tax implications of business entity selection, including sole proprietorships, syndicates, partnerships, general and limited partnerships, corporations, limited liability companies, cash and accrual methods of accounting, record keeping, passive losses and material participation, deducting ordinary and necessary business expenses, depreciation and capitalization deductions. Students will apply what they have learned and evaluate tax strategies based on real-world situations and problems.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 402. Capstone Seminar in Equine Industry Program - CUE** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): EQIN 301; EQIN 302 or EQIN 401; EQIN 304; EQIN 403; CLAW 301; MGMT 401 (or concurrently); senior standing.
Description: A senior-level capstone course which integrates the core courses in the program to develop and complete an applied research project in the equine industry.
Note: No exceptions will be made on prerequisite courses.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 403. Equine Financial Management** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): FIN 301.
Description: Applications of analytical techniques to financial decision making in the equine industry for both publicly traded and private entities. Emphasis on Capital Asset Pricing Model, discounted cash flows, IRR, NPV and investment analysis techniques. In depth use of financial calculator and Excel spreadsheets for financial modeling. Review of insurance and risk management in the equine industry. Angel investing, funding for start-up entities, Auction Markets and bidding techniques. Financing considerations in not for profit entities such as the Kentucky Horse Park. The financing and valuation of assets and businesses and financing options are considered in a risk/return framework.
Note: Cross-listed with FIN 404.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 404. Current Equine Issues** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Senior standing.
Description: The purpose of this course is to explore and discuss the current issues of concern within the horse industry, especially those that affect the economic and competitive circumstances of the industry and/or its public perceptions.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 406. Horse Racing and Comparative Gaming Systems** 3 Units
Prerequisite(s): FIN 301 and EQIN 302.
Description: The study of the economics of casino gaming, lottery stems, and pari-mutuel wagering. Emphasis will be placed on factors affecting wagering and gaming, including product pricing, quality, competition, profits, and marketing strategy.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 490. Special Topics in Equine Administration** 1-3 Units
Term Typically Offered: Spring Only
Description: A variety of contemporary topics in Equine Administration will be studied. Course content may vary each semester, but will not duplicate other course offerings.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- EQIN 499. Independent Study in Equine Business** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Senior standing.
Description: Written proposal must be sponsored by at least one equine faculty member and approved by the department chair.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Exercise Physiology (EXP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

EXP 501. Applied Exercise Physiology 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Consent of instructor.

Description: Selective review of the pertinent areas of basic physiology and the application of this knowledge to exercise conditions. Consists of both lecture and laboratory format.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EXP 502. Principles of Exercise Testing and Prescription 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): EXP 501 or consent of instructor.

Description: Effects of exercise to prevent coronary heart disease and atherosclerosis; specific effects of exercise on the established risk factors. Exercise as a rehabilitative measure in heart attack recovery.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

EXP 503. Clinical Exercise Physiology 3 Units

Prerequisite(s): EXP 502 or consent of instructor.

Description: This course provides students with in-depth content regarding the physiology of exercise specifically related to clinical populations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Finance (FIN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific

fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

FIN 200. Elements of Finance 1.5 Units

Prerequisite(s): ACCT 200.

Description: This is an introduction to financial tools for running a business. Topics include financial statements and performance measures, the operating cycle of a business, cash budgeting, managing working capital, time value of money, capital expenditures, sources and cost of funds, debt, risk, and financial distress.

Note: This course is not open to College of Business students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 201. Money Management and Personal Finance 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The study of the techniques and process of saving and managing money: and of creating, organizing, implementing, monitoring, and revising a personal plan for procuring and allocating financial resources in order to achieve financial objectives and goals. The topics covered include cash management and budgeting; financial services to include savings and checking accounts; consumer credit; consumer buying; housing; risk management and insurance; investments; estate and retirement planning; tax planning; and the time value of money.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 301. Corporate Finance 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): MATH 180 or MATH 205 or equivalent; ACCT 201; CIS 250 or CIS 305; ECON 201; BSTA 201 or BSTA 301 or equivalent.

Description: A study of techniques that enable firms to efficiently manage their financial resources and maximize the value of their owners' investment. Investment techniques and analysis applied to the individual as well as to the firm. Computer and calculator problem solving.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 304. Intermediate Corporate Finance 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): FIN 301.

Description: This course offers an in-depth exploration of corporate finance concepts and applications with the objective of assessing the shareholder value created by a firm's operation and financing decisions. Major topics include discounted cash flow analysis, capital budgeting decisions, project analysis with and without real options, sources of economic rents and sustained growth opportunities, risk/return relationships, and capital structure decisions and their effect on the corporate risk-adjusted cost of capital. Other topics may include leasing, corporate risk management, corporate government and restructuring.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>FIN 330. Banking and Financial Administration Term Typically Offered: Occasionally Offered Prerequisite(s): FIN 301. Description: A study of the management of internal operations of financial institutions, especially commercial banks, but including other savings institutions and insurance companies. The operations of the institutions are examined in light of trends and developments in the financial community. Included are topics such as expansion via bank holding companies or branching, portfolio management of loans, marketable securities and liabilities, and legal or regulatory constraints. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>FIN 396. Zero-Credit Internship-Finance Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): FIN 301, good academic standing, and validation through the Ulmer Career Management Center. Description: Application to the zero-credit internship program and completion of orientation processes should be accomplished prior to employment. Students must be Finance majors. A new workplace experience in an approved Finance position which offers a progression of learning in a level appropriate opportunity for practical application of classroom theory and tools. This program is available to students who have received the maximum number of co-op credit hours for their major. Note: This course is restricted and requires permission from the Ulmer Career Management Center.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>
<p>FIN 345. Entrepreneurial Finance Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301. Description: The focus is on financing issues facing new, young, and small business ventures. Topics include financial statements, financial forecasts, venture valuation, sources and forms of venture capital and negotiations between owners and suppliers of funds. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>FIN 397. Co-op in Finance I Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): FIN 301, University GPA 2.5 and validation through the College of Business Co-op Office. Description: Application to the co-op program and completion of orientation processes should be completed prior to employment. Finance majors only. A new workplace experience in an approved Finance position which offers a progression of learning in a level-appropriate opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>
<p>FIN 350. Risk and Insurance Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301. Description: Designed for understanding the importance of risk management in personal and business affairs, the different methods of handling risks that are insurable, and risks that are not insurable. A portion of this course is devoted to the analysis and solution of risk situations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>FIN 398. Co-op in Finance II Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of FIN 397, University GPA 2.5 and validation through the College of Business Co-op Office. Description: A new or continued workplace experience in an approved Finance position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>
<p>FIN 360. Business Valuation Term Typically Offered: Occasionally Offered Prerequisite(s): FIN 301. Description: The study of techniques and methodologies that enable the determination of value for business entities. Includes discussion of professional standards of business valuation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>FIN 370. International Finance Term Typically Offered: Fall, Spring, Summer Prerequisite(s): FIN 301. Description: A study of corporate finance within an international context. Discusses exchange rates, parity conditions, capital flows, and international banking. Examines the financing strategies and capital budgeting techniques of multinational corporations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>FIN 399. Co-op in Finance III 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Permission of the College of Business Co-op Office. Description: A continued or new workplace experience in an approved Finance position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FIN 405. Securities Broker and Financial Industry Preparation 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FIN 401. Description: This course is designed to provide students with insight into the connection between the real financial industry world and theory. This provides insight into the actual practice of analyzing, selling and trading financial products and prepares student to take the Financial Industry Regulatory Authority (FINRA) Series 7 general securities licensing examination. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FIN 401. Investments 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): FIN 301. Description: Introduction to the various investment alternatives available to the individual investor. Covers: sources of information; the securities markets in the United States; policies of investment companies and institutions; the problems and procedures of investment risks and investment analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FIN 414. Applied Financial Econometrics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301 or faculty consent. Description: Econometric application of economic and financial concepts and principles related to corporate finance, investments, financial markets, and international finance. Quantitative techniques include time series analysis, exponential smoothing, and regression analysis. Note: Cross-listed with ECON 414.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FIN 402. Security Analysis and Portfolio Management 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FIN 304 and FIN 401. Description: An introduction to the principles, methods, and techniques of asset selection and the portfolio mix through the application of investment principles to investment policy. Investigation of the interrelationship between the economy and individual securities as well as the securities markets is made. Techniques of valuation and portfolio management are covered, including fundamental, technical and portfolio analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FIN 415. Capital Budgeting 3 Units Prerequisite(s): FIN 301. Description: A study of the techniques used to evaluate, select, and finance long-lived business assets. Topics included in the course are interest factors, cash-flow determination, evaluation techniques, risk adjustment, capital rationing, cost of capital and leasing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FIN 403. Financial Derivatives 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301. Description: An introduction to financial derivative contracts: forwards, futures, swaps and options. Valuation and pricing models for these contracts are derived. Proper ways to use these contracts for the purpose of risk management are emphasized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FIN 433. Financial Markets and Institutions 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301 or faculty consent. Description: This course provides a study of financial institutions such as banks and financial instruments and markets such as the stock, bond, money and mortgage markets. The course integrates macro-economic concepts such as interest rate determination and the role of the Federal Reserve with asset valuation and the movement of capital in the financial marketplace. Commercial bank financial statements and key risks are covered. Periods of financial crises are also examined. Options, futures and swaps are discussed in the context of hedging risks in banks and other types of firms. The course builds heavily on the concepts of time value of money and risk and return, as developed in previous courses. Note: Cross-listed with ECON 433.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

FIN 475. Capstone Seminar in Finance - CUE **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): FIN 304 and FIN 401.

Description: A senior level capstone course which will integrate financial concepts and theory to solve and apply to real work problems.

Note: No exceptions will be made to the prerequisite requirements.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 490. Special Topics in Finance **1-3 Units**

Term Typically Offered: Fall, Spring

Description: A variety of topics in financial theory and/or application will be studied. Course content will vary but the content will not duplicate current offerings. A student may repeat this course for credit as long as the particular topic is different.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 491. Special Topics in Economics and Finance **3 Units**

Description: Topics of current importance to students of economics and finance will be studied. Content of course will vary but will not duplicate current offerings. This course may be repeated for credit as long as content or topics were not already covered by the student in this course.

Note: Cross-listed with ECON 491.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 499. Independent Study in Finance **1-3 Units**

Term Typically Offered: Fall, Spring, Summer

Description: Written proposal must be sponsored by at least one faculty member and approved by the Department Chair.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FIN 500. Business Finance **3 Units**

Prerequisite(s): Admission to MBA program.

Description: An introduction to financial concepts from the corporate perspective. Topics include the basics of financial statements, an overview of the financial markets, risk and return, the time value of money, security valuation using time value concepts, cash flow determination and valuation, and long-term capital investment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

French (FREN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings

may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

FREN 000. French Study Abroad **1-30 Units**

Prerequisite(s): A letter of intent addressed to the department chair and membership in a program approved by the department.

Description: Credit awarded to students upon successful completion of the program as documented by the Francophone institution. Upon return, students will be required to demonstrate proficiency at a level agreed upon by the Department of Classical and Modern Languages prior to departure.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 121. Basic French I **4 Units**

Term Typically Offered: Fall, Spring, Summer

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

Note: Not counted toward French major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 122. Basic French II **4 Units**

Term Typically Offered: Fall, Spring, Summer

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

Note: Not counted toward French major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 123. Basic French III **4 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): FREN 122 or equivalent.

Description: A treatment of more advanced grammar topics and the continuation of work with the development of basic language fluency in listening, speaking, reading and writing.

Note: Formerly FREN 221.

Note: Does not count toward major in French.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 141. Intensive French I **6 Units**

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

Note: Not counted toward major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>FREN 142. Intensive French II 6 Units Prerequisite(s): FREN 141. Description: A treatment of more advanced grammar topics and the continuation of work with the development of basic language fluency in listening, speaking, reading and writing. Note: Does not count toward major in French.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 322. Written Expression - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FREN 320. Description: Intensive practice in written French; grammar review and vocabulary building. Note: Required of all French majors and minors. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FREN 313. Special Topics in French Literature, Language, and Culture 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): FREN 123 or FREN 142, or equivalent. Description: Critical reading and interpretation of works in French whose themes and issues have relevance to today's world. Topics may vary from semester to semester. Note: May be repeated once for credit.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 323. French for The Workplace 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 321 or FREN 322, or faculty consent. Description: French professional correspondence; commercial practices; workplace behavior and expectations; workplace-specific vocabulary; sensitivity and exposure to cultural practices. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FREN 315. Etymologie francaise; la memoire des mots. 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 320 or permission of instructor. Description: Analysis of the classical heritage present in French with inclusion of word histories giving special attention to scientific/technical terminology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 325. French Theater Practicum 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 321 or faculty consent. Description: Components in the production of a French play, from the decision to produce it to formal presentation before an audience. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FREN 320. French Skills Overview 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FREN 123 or equivalent. Description: Consolidation of oral and written language skills to improve listening, speaking, reading and writing abilities. Note: Required of all French majors and minors unless student's native language is French.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 326. Francophonie: Text and Context 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 320 or faculty consent. Description: Literature and culture of the French-speaking world outside France, including Africa, the Middle East, Asia and the Pacific, the Caribbean, the Americas. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>FREN 321. French Conversation 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FREN 320. Description: Intensive practice in oral French in a variety of conversational settings. Note: Required of all French majors and minors unless student's native language is French.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 327. The French Detective Story 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 320 or faculty consent. Description: Exploration of the detective novel genre through study of works by French and francophone authors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 328. French Cinema 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 320 or consent of instructor. Description: Survey of French cinema from the late 19th century to the present. The works of directors such as Renoir, Truffaut, Godard and others are studied and analyzed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>FREN 329. Paris in Literature and Film 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): FREN 320 or consent of instructor. Description: The representation of Paris in literature, cultural texts, and films from the Middle Ages to the present. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>FREN 500. French Work Exchange 3-6 Units Prerequisite(s): Membership in a University of Louisville Work-Exchange Program with Montpellier administered by the International Center. Description: Credit awarded upon demonstration of successful completion of course undertaken with prior approval of the department. Cooperating businesses in Montpellier provide jobs for participants who gain practical experience in a French work environment. Note: Only three credits can be applied to a French major. Note: May be repeated.</p>
<p>FREN 331. French Civilization 3 Units Term Typically Offered: Fall Only Prerequisite(s): FREN 321 and FREN 322, or faculty consent. Description: Historical study of French culture and society from the beginnings to the 20th century, leading to an understanding of the development of French civilization. Note: Required of all French majors.</p>	<p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>FREN 332. France Today 3 Units Term Typically Offered: Spring Only Prerequisite(s): FREN 321 and FREN 322, or faculty consent. Description: Study of contemporary French culture and civilization and in-depth exploration of current political and social issues. Note: Required of all French majors.</p>	<p>FREN 506. Francophone Women Writers 3 Units Prerequisite(s): FREN 321 and FREN 322, or faculty consent. Description: Readings of literary and non-literary texts by women of the French-speaking world. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>FREN 440. Cooperative Internship 1-3 Units Description: Note: May be used to fulfill the minimum requirements for the major only if approved in advance by the department chair.</p>	<p>FREN 522. French Phonetics and Diction 3 Units Prerequisite(s): 6 hours of French at 300+ level or consent of instructor. Description: Pronunciation, diction, and intonation in theory and practice. Corrective exercises, recordings for the analysis of individual pronunciation problems. Poetry and prose studied in phonetic transcription, using the International Phonetic Alphabet; extemporaneous speaking and prepared readings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>FREN 455. Reading in French 3 Units Term Typically Offered: Fall Only Prerequisite(s): FREN 321 and FREN 322, or faculty consent. Description: Study of literary and non-literary texts from France and/or other francophone regions. Note: Required of all French majors.</p>	<p>FREN 523. Advanced Communication Skills 3 Units Term Typically Offered: Fall Only Prerequisite(s): FREN 321 and FREN 322, or faculty consent. Description: Advanced French language course focusing on written and oral expression through the study of French and/or francophone literary and cultural texts. Note: Required of all French majors.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>FREN 524. Theory and Practice of Translation 3 Units Term Typically Offered: Spring Only Prerequisite(s): FREN 455. Description: Discusses translation theory and develops techniques for the effective translation of a variety of materials. Note: Required of all French majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

FREN 531. Special Topics in Literature and Cultural Studies 3 Units

Prerequisite(s): FREN 455 or faculty consent.
Description: An intensive study of an aspect of French or Francophone literature and/or culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 551. French Oral Practicum 3 Units

Grading Basis: Pass/Fail
Prerequisite(s): Membership in the UofL work-exchange program with Montpellier administered by the International Center.
Description: Credit awarded upon demonstration of successful completion of course undertaken with prior approval of the department. Cooperating businesses in Montpellier provide jobs for participants who gain practical experience in a French work environment.

Note: Only 3 credits total count toward French minor.

Note: May be repeated for credit.

Note: Taught on Pass/Fail basis.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 552. French Work: Exchange Research 3 Units

Prerequisite(s): Membership in the UofL work-exchange program with Montpellier administered by International Center.
Description: Credit awarded upon demonstration of successful completion of a research project supervised by a French faculty member. Cooperating businesses in Montpellier provide jobs for participants who gain practical experience in a French work environment.

Note: Only 3 credits total count toward French major.

Note: May be repeated for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 561. Independent Study I 1-3 Units

Prerequisite(s): Consent of department.
Description: Independent study in areas not covered in the regular curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 562. Independent Study II 1-3 Units

Prerequisite(s): Consent of department.
Description: Independent study in areas not covered in the regular curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 590. Senior Capstone - CUE 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): Declared French major, Senior standing, and completion of all 300- and 400-level requirements for the French major.

Description: Critical and reflective thinking to integrate undergraduate work and explore options for future employment.

Note: Required for all French majors.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

FREN 599. Special Topics 3 Units

Prerequisite(s): Consent of instructor.
Description: Topics of a unique or specialized nature in French language, literature or culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

General Studies (GEN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GEN 95. Collegiate Success for A&S 2 Units

Prerequisite(s): Permission of instructor.
Description: Intermediate course for students in the College of Arts and Sciences. This course will focus on time management, study skills, resources, networking, how to learn from every experience (good or bad), policies related to academic standing, financing, staying on track to graduation, transitions, relationships, selecting courses, major, and electives, planning for the future, and how to overcome obstacles.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- GEN 100. Student Success Center Orientation** 1 Unit
Term Typically Offered: Fall, Spring
Description: An introduction to essential skills for undecided and pre-unit students: constructing a course-sequence plan for a coherent liberal arts education; understanding academic policies and requirements; selecting and declaring a major; choosing a career path; making use of the diverse resources of a metropolitan research university to prepare for life and work.
Note: Required for new students and transfer students with fewer than 24 hours credit earned.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 101. Arts and Sciences Orientation** 1 Unit
Term Typically Offered: Fall, Spring
Description: An introduction to essential skills for Arts and Sciences students: constructing a course-sequence plan for a coherent liberal arts education; understanding academic policies and requirements; selecting and declaring a major; choosing a career path; making use of the diverse resources of a metropolitan research university to prepare for life and work.
Note: Required of students with fewer than 24 hours credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 103. Special Topics in College Mathematics for Non-STEM Majors** 3 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ACT Math subscore 0-19 or SAT Math subscore of 260-500.
Description: GEN 103 for non-STEM majors serves as a required intervention course for students who do not achieve the college-readiness standard for a basic Quantitative Reasoning course (e.g. MATH 105), or GEN 104. This course allows for direct instruction and individualized instruction via computer assisted learning. Course topics are determined by an individual assessment of algebra skills and may include operations with real numbers and fractions, polynomials, linear equations, inequalities, and systems of equations.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 104. Special Topics in College Mathematics for STEM Majors** 3 Units
Grading Basis: Pass/Fail
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Math placement testing or P (Pass) grade in GEN 103 or course grade C or above in MAT 65 (or equivalent).
Description: GEN 104 for STEM majors serves as a required intervention course for students who do not achieve the college-readiness standard for the entry-level MATH course required for their major. Intended for students who need MATH 107, MATH 111, and other higher numbered MATH courses. This course allows for direct instruction and individualized instruction via computer-assisted learning. Course topics are determined by an individual assessment of algebra skills and may include factoring, rational expressions, and equations, radical expressions, and quadratic equations.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 105. Special Topics in Supplemented College Reading** 2-5 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): A score of less than 20 on the ACT Reading or a score of less than 480 on the SAT Reading or a score of less than 244 on the Accuplacer.
Description: Supplemented College Reading is designed to provide instruction in college level reading strategies using disciplinary content materials. This course serves as a required intervention mandated by state law for college reading readiness, providing college study strategies and academic tutoring specific to a content course.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 111. The Global Classroom: Defining the Study Abroad Experience** 1 Unit
Grading Basis: Pass/Fail
Prerequisite(s): Must be enrolled in a study abroad program or international internship.
Description: Examination, discussion and analysis of the international education experience. Course helps students apply various techniques to make full use of and evaluate their studies and/or internship abroad.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 201. Career Decision-Making for Exploratory Students** 1 Unit
Term Typically Offered: Fall, Spring
Description: Addresses the basic questions of career and major exploration that Exploratory (undecided) students face when entering college. The goal of the courses is an understanding of the career development process, its tools, and materials.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 202. Occupational Exploration: Your Career Choice** 1 Unit
Grading Basis: Pass/Fail
Term Typically Offered: Occasionally Offered
Description: This seminar will examine specific fields of study to support the career and major exploration process for students who want to further explore the suitability of a major/career track.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEN 203. Internship** 1 Unit
Term Typically Offered: Occasionally Offered
Prerequisite(s): 2.5 GPA and 45 credit hours completed.
Description: Practical experience in an organization within the community, and reflection on how knowledge was applied in the field. Contact the Career Development Center for application procedures and guidelines.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEN 204. Leadership and Strategic Career Development 1 Unit**Term Typically Offered:** Occasionally Offered**Description:** This seminar will require students to engage in critical reflection, chart a path toward personal and professional growth, and craft a specified course of action to enhance leadership competence and career progression.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEN 301. Topics in Experiential Learning 1-12 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** Approval of chair of the department of the student's major and approval of the dean.**Description:** Internship or other experiential learning opportunities, nationally or internationally. Student must be admitted to the program providing the experiential activity prior to enrollment in this course.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Geography (GEOG)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GEOG 157. Elements of GIS 3 Units**Term Typically Offered:** Fall, Spring**Description:** Elements of geographic information systems: focus on introductory GIS functions including; spatial database development, analysis, graphical output, digital data generation, overlapping & updating.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEOG 200. Human Geography in a Changing World - D2, SB 3 Units****Term Typically Offered:** Fall, Spring**Description:** The basic theme of this course is human geography as the study of place and the power that place has in the conduct of human affairs. Students will study the geographic distributions of human activities at global, regional and local scales, and the causes and consequences of those activities. Specific topics covered include population distribution and movement, economic activity, sustainable development, urban and rural settlements, and cultural and political environments. Students will also become acquainted with the tools that geographers use to understand, map, and analyze current affairs across world regions and gain good knowledge of how those tools are applied to real-world problem solving.**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEOG 256. Introduction to Quantitative Methods in Geography and Geosciences 3 Units****Term Typically Offered:** Fall Only**Description:** Introduction to the application of mathematical and statistical techniques to problem solving in geography.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEOG 300. Globalization and Diversity - D2, SB 3 Units****Term Typically Offered:** Fall Only**Description:** A contemporary approach to world regional geography that focuses on human diversity and the geographic changes that accompany today's rapid rate of globalization.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEOG 301. Geography of Kentucky 3 Units****Term Typically Offered:** Occasionally Offered**Description:** Spatial patterns and processes of the Commonwealth; emphasis on human-environment interaction, population, settlement, and economic base.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**GEOG 305. Historical Geography of the United States 3 Units****Term Typically Offered:** Spring Only**Description:** Analysis of the changing cultural landscape and settlement patterns of the United States. Emphasis on the changing spatial relationships of ethnic minorities to the majority group.**Note:** Cross-listed with HIST 305.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 308. Geography of China 3 Units

Term Typically Offered: Occasionally Offered

Description: The primary objective of this course is to help students gain a better understanding of the geography of China's history, culture and development. Analysis and interpretations of historical and contemporary issues in China from a geographical perspective.

Note: Cross-listed with AST 308.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 314. Africa: Environment and Resources 3 Units

Description: Natural and human potentials of the African continent, with particular reference to Sub-Saharan Africa. Exploration of social, cultural, economic and political factors influencing use of African resources. Emphasis on factors degrading the environment and constraining optimum use of natural and human resources.

Note: Cross-listed with PAS 386.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 316. Geography of South Asia 3 Units

Description: An analysis of the Indian subcontinent; emphasis on the physical and cultural setting, political disturbances, population problems, and economic development.

Note: Cross-listed with AST 316.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 320. Geopolitics 3 Units

Description: This course introduces students to the main concepts and research themes in contemporary geopolitics. Geopolitics represents a broad engagement with the interactive relationships between power and place, and the construction, contestation and reconfiguration of political spaces that results. During the semester we will examine the formation of geopolitical images of the world, where these images come from, and how they have shaped our thinking and politics over time.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 324. Race and Place 3 Units

Description: In this course, students will explore the many ways race is socially constructed and intimately tied to space and place. Topics covered include: the spatiality of plantations, segregation vs. separation, the Great migration, race in urban and rural spaces, the intersection between race, gender and place, and race and place beyond the United States.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 327. Economic Geography 3 Units

Term Typically Offered: Occasionally Offered

Description: The distribution of economic activity and its associated characteristics that give character to place.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 328. Urban Geography 3 Units

Term Typically Offered: Fall Only

Description: Examination of the association of activities in urban areas as they are expressed in patterns of land use and occupancy features.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 331. Population Geography 3 Units

Term Typically Offered: Spring Only

Description: An examination of spatial variations in human population, with emphasis on population characteristics, growth, and mobility.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 340. Environmental Conflict in the United States: Historical Foundations & Contemporary Problems - D1, SBH 3 Units

Term Typically Offered: Occasionally Offered

Description: A review of various environmental conflicts throughout the United States, including the legal, economic, and policy processes behind them and the reasons why conflict exists. This course explores environmental issues in a variety of United States contexts. This course places particular emphasis on the historical foundations of contemporary environmental conflict and dynamics of identity-based inequalities rooted in differences such as race and socio-economic class.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 350. Introduction to Mapping and Geospatial Technologies 3 Units

Term Typically Offered: Fall Only

Description: Introduction to the concepts and methods of map construction and visualization, including scale, location, projection, design, symbolism, and compilation. Exploration of these concepts and methods through the use of geospatial technologies.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 355. Introduction to Remote Sensing 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): GEOS 200, GEOS 350, or GEOS 301; and PHYS 111 or equivalent; or consent of instructor.

Description: This course provides an introduction to the theory and application of remote sensing data with weekly lab reports for hands-on-experience in the acquisition and utilization of remotely-sensed data in geographical/environmental research. This course prepares for GEOG 556.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 356. Introduction to Spatial Statistics 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GEOG 256.

Description: Introduction to multivariate statistical analyses and spatial statistics, i.e. statistical methods that use space and spatial relationships directly in their mathematical computations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 360. Qualitative Methods for Undergraduates 3 Units

Description: The course introduces students to the basic tools and concepts of qualitative social research and their geographic application. The readings and in-class exercises have been selected to introduce you to the scope of qualitative methodological approaches used in geography and provide a sampling of references and resources that will help you work through your own research process. In examining how we generate and interpret data from the field—the social, environmental and political space where we learn about the world—we will critique and apply a variety of qualitative methods. In the process, you will have a chance to explore these methods in the context of your own planned or ongoing work and interest. We will focus on a wide range of methods but pay close attention to: conducting interviews, constructing questionnaires, participant observation and discourse analysis.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 361. Sustainable Human Environments - WR 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Natural sciences general education requirements.

Description: An inquiry into the human impact on the environment and human adjustment to environmental disruptions.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 362. Disease, Ecology and Environmental Management in Africa - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Relationship between disease agents and the human and physical environment in Africa. Impact of urbanization, industrial pollution and multinational corporations on disease causation and distribution.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Cross-listed with PAS 384.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 367. Applications Development for GIS 3 Units

Prerequisite(s): GEOG 357 or GEOG 558.

Description: Instruction in the fundamentals of Visual Basic for Applications, object oriented programming, basics of ArcObjects, syntax of writing VB statements, branching and looping structures, and design of user forms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 385. Introduction to Programming for GIS and Spatial Data Analysis 3 Units

Term Typically Offered: Spring Only

Description: There are two primary goals for this course. First, students will learn introductory computer programming concepts and features. Students will deconstruct examples from a variety of programming and scripting languages (primarily Python, R, VBA, and IDL), learning how to identify common logic, flow control and syntactic features. Students will learn the purpose of these structures and how to start using the programming and scripting environments of common statistics, geographic information systems (GIS) and remote sensing (RS) platforms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 390. Special Topics 3 Units

Term Typically Offered: Fall, Spring

Description: Investigation of topics not offered in regular courses. Topics will be announced in Schedule of Courses.

Note: May be repeated for different topics up to a limit of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 391. Independent Study 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 399. Senior Honors Seminar - WR 3 Units

Prerequisite(s): Junior class standing; admission to the departmental honors program.

Description: Investigation of a major scientific or social issue within the field of geography.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 401. Cooperative Internship 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Department sponsorship and approval.

Description: Cooperative Internship in Geography/Geosciences.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>GEOG 441. Senior Thesis Proposal - WR 3 Units Term Typically Offered: Fall Only Prerequisite(s): GEOG 256 and GEOG 558; no concurrent enrollment of either prerequisites allowed. Description: GEOG 441 is the first of 2 steps Geography & Geosciences senior take to accomplish a College of Arts & Sciences culminating undergraduate experience (CUE). The students are expected to holistically apply disciplinary knowledge acquired at the Department of Geography & Geosciences. The course concludes with the development and presentation of a senior thesis proposal. Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR) Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 442. Senior Thesis - CUE, WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): GEOG 441. Description: Independent study for data collection and preparation of senior thesis. Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 499. Senior Honors Thesis - WR 3 Units Prerequisite(s): Senior standing; admission to departmental honors program. Description: An intensive examination of a topical area in geography/geosciences undertaken with a designated faculty director. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 500. Globalization Seminar 3 Units Prerequisite(s): GEOG 300 or permission of instructor. Description: A discussion-based course that focuses on current events, global economies, and cultural and environmental issues resulting from globalization. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 510. Urbanism in the Global South: Cities and Space 3 Units Term Typically Offered: Spring Only Description: This course is a reading-based seminar. We learn about processes and practices within the Latin American and African city from a spatial, cultural, economic and political perspective. Note: Cross-listed with LALS 510 and UPA 652.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 520. Geography and Nutrition Among African and African-American Populations 3 Units Prerequisite(s): Consent of instructor. Description: Comparison of geographical conditions, food culture, technology and socioeconomic factors among Africans and African-Americans affecting health and nutrition. Note: Previously cross-listed with PAS 560.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 521. Medical Geography 3 Units Prerequisite(s): Faculty consent. Description: Introduction to concepts, methods and tools used to investigate geographic aspects of health and disease. Application of concepts and methods through analysis of health, population and environmental data. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 522. GIS and Public Health 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Consent of instructor. Description: Application of tools and methods of analysis in geographic information systems (GIS) to public health. Use of ArcGIS software to manage and analyze health, census and spatial data. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 524. Food and Race 3 Units Description: This course will serve as a critical analysis of the intersection between race and food/agriculture. Topics covered include: 1) production, preparation and consumption patterns; 2) food production during slavery and sharecropping; 3) modern day agricultural labor; 4) food and health; 5) food and borders; and 6) food and national identity. Note: Cross-listed with PAS 605.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>GEOG 528. Planning, History and Issues 3 Units Prerequisite(s): GEOG 328. Description: The history of planning and contemporary issues with an emphasis on role of planning, zoning and law. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
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- GEOG 529. Geography of Urban Issues** **3 Units**
Term Typically Offered: Fall Odd Years
Prerequisite(s): GEOG 328, GEOG 558 or comparable Urban Geography and GIS course.
Description: Advanced urban geography course with unique geographic perspective for integration of socioeconomic problems in America's metropolitan areas.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 530. Transportation Geography** **3 Units**
Prerequisite(s): GEOG 200 or consent of instructor.
Description: An analysis of distribution and transportation systems as functional entities capable of introducing and reacting to change within the economic region.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 531. GIS & Urban Demographic Analysis** **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): GIS knowledge or concurrent tutorial.
Description: Demographic analysis through the use of GIS technology. Emphasis placed on metropolitan area characteristics including population change, segregation, ethnic settlement, social and economic stratification and commuting.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 535. GIS and Retail Site Analysis** **3 Units**
Prerequisite(s): GIS knowledge or concurrent tutorial.
Description: Retail site analysis through use of GIS technology. Emphasis placed on market demand and supply characteristics. Physical site analysis, demographics, and competitive environment will be examined.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 536. Sustainable Transportation** **3 Units**
Term Typically Offered: Fall Even Years
Prerequisite(s): GEOG 200 or permission of instructor.
Description: The course looks into the problems of developing sustainable transportation systems. We will examine the environmental and human problems associated with transportation; including climate change, air quality, consumption of non-renewable resources, safety, congestion and social equity. We will also explore possible solutions to these problems, including pricing, planning, policy, technology and education.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 540. Geography and Human-Environment Interactions** **3 Units**
Description: The study of interactions between humans and the environment is inherently interdisciplinary and multi-scaler, two of the hallmarks of contemporary geographic research. Students taking this course will be exposed to the theoretical underpinnings of both social and ecological aspects of research. Through in-class discussions of both seminal and contemporary peer-reviewed literature, students will be expected to engage in an interdisciplinary exploration of how studies of human-environment interactions have evolved from disciplinary roots into the large, complex and transdisciplinary projects commonly funded today and expected in the future.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 548. Special Topics in Urban Analysis Applications in GIS** **3 Units**
Prerequisite(s): GEOG 357 or GEOG 558.
Description: Introduction to the application of GIS by local governments, non-profit agencies and other urban-related groups.
Note: May be repeated if topics vary.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 549. Special Topics in Environmental Analysis Applications in GIS** **3 Units**
Description: Introduction to the application of GIS to environmental problem solving.
Note: May be repeated if topics vary.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 555. Remote Sensing** **3 Units**
Prerequisite(s): GEOS 200 or GEOS 301; PHYS 111 or equivalent (recommended).
Description: This course provides an introduction to the theory and application of remote sensing data with weekly lab reports for hands-on-experience in the acquisition and utilization of remotely-sensed data in geographical/environmental research. This course prepares for GEOG 556.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- GEOG 556. Advanced Remote Sensing** **3 Units**
Prerequisite(s): GEOG 555 or consent of instructor.
Description: Application of advanced techniques involved in the collection of digital imagery data from aircraft and spacecraft instruments.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 558. Introduction to Geographic Information Systems 3 Units

Term Typically Offered: Occasionally Offered

Description: Introduction to geographic information systems using ArcGIS software, management of relational databases, and manipulation and graphical output of digital geo-spatial data.

Note: May not be taken for credit if credit has been earned in GEOG 357 or GEOG 557.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 559. Advanced Geographic Information Systems 3 Units

Prerequisite(s): GEOG 558.

Description: Application of advanced GIS concepts to real-world projects. An emphasis will be placed on the development of a digital spatial database.

Note: Graduate students must arrange for an additional project for graduate credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 561. Urban Environmental Quality 3 Units

Prerequisite(s): Consent of instructor.

Description: A study of environmental aspects of urban areas and analysis of inter- and intra-city variations in environmental quality.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 583. Spatial and Non-Spatial Database Management 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): GEOG 357 or GEOG 558.

Description: Provides students with "hands-on" experience in development, management and integration of spatial and non-spatial databases, using GIS and database management software.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 590. Special Topics 3 Units

Description: Investigation of topics not offered in regular courses. Topic will be announced in Schedule of Courses.

Note: Offered as needed.

Note: May be repeated for different topics up to a limit of 12 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOG 599. Directed Readings in Geography 1-4 Units

Prerequisite(s): Advanced courses in geography or related fields; permission of major department.

Description: Supervised readings centered around a specific region or topical field for advanced work.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

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500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GEOS 200. The Global Environment - S 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: An introduction to the global physical environment, emphasizing the evolution and interaction of Earth's atmosphere, hydrosphere, lithosphere and biosphere; emphasizing energy and material cycles, and global change. An integrative spatial approach guided by scientific processes is used to study these interactions. Questions of global sustainability are addressed in the increasingly complex interactions between humans and their environment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOS 218. The Global Environment Lab - SL 1 Unit

Term Typically Offered: Fall, Spring

Corequisite(s): GEOS 200.

Description: An introduction to the global environment, emphasizing the evolution of interaction of Earth's atmosphere, hydrosphere, lithosphere and biosphere; energy and material cycles, and global change. The lab is designed to expand upon concepts covered in the GEOS 200 lecture course through a series of in-class collaborative activities which emphasize a wide range of topics related to interpreting maps, weather and climate processes, tectonic processes and landforms. These activities include interactive Google Earth exercises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOS 219. Contemporary Issues in Meteorology Laboratory - SL 1 Unit

Term Typically Offered: Fall, Spring

Corequisite(s): GEOS 220/PHYS 220.

Description: A lab designed to provide real-world examples of atmospheric processes through analysis and problem solving using basic concepts and physical principles relevant to the atmosphere.

Note: Cross-listed with PHYS 219.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Geosciences (GEOS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

GEOS 571. GIS and Water Resources 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GEOG 558.

Description: A study of the application of Geographic Information Science techniques in water resources research and management including: digital mapping of water resources, watershed delineation and modeling atmospheric, surface and groundwater processes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GEOS 590. Selected Topics in Geosciences 3 Units

Prerequisite(s): Consent of instructor.

Description: A detailed investigation of some restricted topic of geology or related discipline. Topic to be announced in Schedule of Courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

German (GERM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GERM 000. German Study Abroad 1-15 Units

Prerequisite(s): Membership in a Language Study Abroad Program and/or programs approved by the Department of Classical and Modern Languages.

Description: Credit awarded to students who have successfully completed the program. Upon return, the student will be required to demonstrate proficiency at a level agreed upon by the Department of Classical and Modern Languages prior to departure.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 121. Basic German I 4 Units

Term Typically Offered: Fall, Spring

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing. Emphasis on communicative competency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 122. Basic German II 4 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): GERM 121 or equivalent.

Description: Continuation of basic grammar, with practice in hearing, speaking, reading, and writing. Emphasis on communicative competency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 123. Basic German III 4 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): GERM 121 and GERM 122 or equivalent.

Description: Conclusion of basic grammar, with practice in hearing, speaking, reading, and writing. Emphasis on communicative competency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 141. Intensive German I 6 Units

Term Typically Offered: Summer Only

Description: Basic grammar, with practice in hearing, speaking, reading, and writing. Emphasis on communicative competency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 142. Intensive German II 6 Units

Term Typically Offered: Summer Only

Prerequisite(s): GERM 141 or equivalent.

Description: Continuation of basic grammar, with practice in hearing, speaking, reading, and writing. Emphasis on communicative competency.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 200. Study Abroad 1-15 Units

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 201. Intermediate German I 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GERM 123.

Description: This course will review and provide practice in the fundamentals of verbs, including tenses, prefixes and modal auxiliaries. Fundamentals of the case will also be covered, including articles, adjectives and pronouns.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 202. Intermediate German II 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): GERM 201 or permission of instructor.

Description: Continuation of the review and practice begun in Intermediate German I. Grammar of adverbs, prepositions, conjunctions and clauses, and advanced review and practice of conditional mode, indirect discourse, and passive voice.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 300. Study Abroad **1-15 Units**

Description: Participation in the University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 311. Independent Study **3 Units**

Prerequisite(s): Permission of instructor and department.
Description: Independent study in German language, literature, and culture. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 313. Readings in German Literature: Themes and Great Issues **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): GERM 123 or GERM 142.
Description: Critical reading and interpretation of works in German literature whose themes and issues have relevance to today's world. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 321. German Conversation and Composition I **3 Units**

Term Typically Offered: Spring Only
Prerequisite(s): GERM 123 or GERM 142.
Description: Intensive practice in conversation and composition. Not open to native speakers of German. Focus on conversation. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 322. German Conversation and Composition II **3 Units**

Term Typically Offered: Occasionally Offered
Description: Intensive practice in conversation and composition. Not open to native speakers of German. Focus on composition. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 500. German Study Abroad **1-15 Units**

Prerequisite(s): Membership in a University of Louisville Language Study Abroad Program or a program approved by the department.
Description: Credit awarded upon demonstration of successful completion of program undertaken with prior approval of the department, including a paper or project and an oral or written examination in the language and culture, administered under the supervision of a faculty member. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 561. Independent Study **3 Units**

Prerequisite(s): Permission of instructor and department.
Description: Independent study in German language, literature, and culture. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GERM 599. Special Topics **3 Units**

Prerequisite(s): Permission of instructor and department.
Description: Topics of a unique or specialized nature in German language, literature or culture. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Global Public Health (GLPH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GLPH 401. Cooperative Internship in Global Public Health (Humanities) **1-3 Units**

Term Typically Offered: Fall, Spring, Summer
Description: A field placement or internship with a Humanities focus in an international health or national health-related setting. Requires field placement, internship, or service project of 80-120 hours.
Note: Work may be completed in one term or spaced over the course of an academic year.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GLPH 402. Cooperative Internship in Global Public Health (Social Sciences) **1-3 Units**

Term Typically Offered: Summer Only
Description: A field placement or internship with a Social Science focus in an international health or national health-related setting. Requires field placement, internship, or Seville project of 80-120 hours.
Note: Work may be completed in one term or spaced over the course of an academic year.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GLPH 403. Cooperative Internship in Global Public Health (Natural Sciences) 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Description: A field placement or internship with a Natural Sciences focus in an international health or national health-related setting. Requires field placement, internship, or service project of 80-120 hours.

Note: Work may be completed in one term or spaced over the course of an academic year.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GLPH 405. Independent Study in Global Public Health Studies (Humanities) 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Independent research project with a Humanities focus related to International Health completed under the mentorship of an affiliated faculty member. This research should result in a product such as a conference paper or public poster, publication, or thesis. A thesis for a major may be used to fulfill this requirement with permission of the International Health Studies advisor and the department of the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GLPH 406. Independent Study in Global Public Health Studies (Social Sciences) 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Independent research project with a Social Science focus related to International Health under the mentorship of an affiliated faculty member. This research should result in a product such as a conference paper or poster, publication, or thesis. A thesis for a major may be used to fulfill this requirement with the permission the International Health Studies advisor and the department of the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GLPH 407. Independent Study in Global Public Health Studies (Natural Sciences) 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Independent research project with a Natural Science focus related to International Health completed under the mentorship of an affiliated faculty member. This research should result in a product such as a conference paper or poster, publication or thesis. A thesis for a major may be used to fulfill this requirement with permission of the International Health Studies advisor and the department of the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Greek (GR)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

GR 101. Elementary Greek (Classical) I 3 Units

Term Typically Offered: Fall Only

Description: The elements of Greek.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 102. Elementary Greek (Classical) II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GR 101.

Description: The elements of Greek.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 201. Intermediate Greek I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): GR 102.

Description: First semester: readings in Greek prose; second semester: readings in Greek poetry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 202. Intermediate Greek II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GR 102.

Description: First semester: readings in Greek prose; second semester: readings in Greek poetry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 301. Advanced Greek I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): GR 202, or consent of instructor.

Description: Survey of classical Greek prose.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 302. Advanced Greek II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): GR 202, or consent of instructor.

Description: Survey of classical Greek poetry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 303. Greek Prose Composition **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): GR 202, or consent of instructor.
Description: Study of Greek idiom and style; practice in translation from English to Greek.
Note: May be repeated once for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 401. Selected Readings I **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): GR 302, or consent of instructor.

Description: Intensive study of a major classical or post-classical prose author such as Herodotus, Thucydides, Plato, Xenophon or Plutarch.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 402. Selected Readings II **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): GR 302 or consent of instructor.

Description: Intensive study of a major classical poet or genre such as Homer, Sophocles, Euripides or Greek lyric poetry.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 501. Special Topics in Greek Prose **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): GR 402 or consent of instructor.

Description: In-depth translation and analysis of select ancient Greek prose authors and works with special attention given to current scholarship and research.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 502. Special Topics in Greek Poetry **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): GR 402 or consent of instructor.

Description: In-depth translation and analysis of select ancient Greek poets and poetic works with special attention given to current scholarship and research.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 551. Readings in the Greek New Testament I: The Gospels and Acts **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): GR 202 or consent of instructor.
Description: An introduction into the unique language, literature and grammar of the Greek of the New Testament. Concentration on koine dialectical forms and usage via extra-biblical contemporary literature, the gospels, and the book of Acts.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

GR 552. Readings in the Greek New Testament III: The Epistles and Revelation **3 Units**

Prerequisite(s): GR 202 or consent of instructor.
Description: In-depth analysis and exegesis of New Testament epistles, illuminated by contemporary literature, epigraphy and papyrology. Introduction to methods of textual criticism and application to the manuscript tradition of the New Testament.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Health and Sport Sciences (HSS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

HSS 101. Beginning Swimming **1 Unit**
Term Typically Offered: Fall, Spring

Description: Focuses on basic skills for swimming and water safety. Intended to encourage current and future physical activity and provide insight into the benefits of cardiovascular activity.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 102. Advanced Swimming **1 Unit**
Term Typically Offered: Fall, Spring, Summer

Description: This course, fundamentals and skills will be reviewed. Advanced swimming concepts will be taught to further participation in swimming.
Note: Enrollment is contingent upon passing a swimming competency test.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 103. Life Saving **1 Unit**
Prerequisite(s): HSS 102 or equivalent or Red Cross Junior Life Saving Certificate.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HSS 104. Scuba 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): HSS 101. Description: This course is designed for students who have basic swimming skills and desire to learn the basic principles of underwater scuba diving. Upon successful completion of the course, the student will be prepared to take the Open Water Diving Certification. Note: The open water dives are not included in the scope of the course.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 115. Step Aerobics 1 Unit Term Typically Offered: Occasionally Offered Description: Introduction to the step techniques used to develop cardiovascular fitness, muscular endurance, and flexibility. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 108. Water Fitness 1 Unit Term Typically Offered: Fall, Spring Description: An activity class designed to enhance aerobic fitness, performed in water without submersion of the head. Information relating to health and fitness will be distributed throughout the semester. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 116. Introduction to Yoga 1 Unit Term Typically Offered: Fall, Spring Description: This course is designed to introduce the foundation poses of Yoga, the basics of healthy posture, simple breathing techniques, and progressive deep relaxation skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 109. Weight Training 1 Unit Term Typically Offered: Fall, Spring Description: Introduces students to resistance training, with an emphasis on proper form and technique development. Individuals will learn to develop a safe and efficient weight training program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 117. Intermediate Yoga 1 Unit Prerequisite(s): HSS 116 or consent of instructor. Description: This course is designed to review foundation poses of Yoga and to introduce intermediate level poses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 110. Physical Fitness and Conditioning 1 Unit Term Typically Offered: Fall, Spring, Summer Description: Introduces students to the components of fitness: cardiovascular endurance, muscular strength and endurance, flexibility and body composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 118. Beginning Martial Arts 1 Unit Term Typically Offered: Fall, Spring Description: Beginning judo, karate, tae-kwan-do, tai-chi, as indicated. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 111. Aerobic Fitness 1 Unit Term Typically Offered: Fall, Spring Description: An exercise/fitness program, done to music, based on weight training, aerobic activity and flexibility. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 119. Intermediate Martial Arts 1 Unit Description: Intermediate judo, karate, tae-kwan-do, tai-chi, as indicated. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 112. Mini-Marathon Training 1 Unit Term Typically Offered: Spring Only Description: This course is designed for students who are novice runners and desire to learn the basic training principles and the physiology of long distance running. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 120. Beginning Racquetball 1 Unit Term Typically Offered: Fall, Spring Description: Provides students with the basic racquetball rules, strategies and basic racquetball skills and techniques to enjoy playing the game at an introductory level. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 114. Fitness Walking 1 Unit Term Typically Offered: Fall, Spring Description: Promotion of cardiovascular fitness through a walking program. Students can begin as any level of fitness and progress on an individual basis toward improvement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 121. Billiards and Table Games 1 Unit Description: This course covers fundamental strokes, techniques, strategies, and rules of billiards and table games. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>HSS 122. Badminton 1 Unit Term Typically Offered: Occasionally Offered Description: Designed to familiarize students with skills, practices, techniques, rules, and theory of badminton. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>HSS 123. Tennis Term Typically Offered: Fall, Spring Description: Designed to familiarize students with skills, practices, techniques, and theory of tennis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 134. Rappelling Description: This course is designed to teach students the skills of rappelling. Emphasis will be placed on knots, seats, and safety. The majority of the class will be taught from a rappelling tower. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 124. Advanced Tennis Prerequisite(s): HSS 123 or equivalent. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 136. Soccer Term Typically Offered: Spring Only Description: Development of fundamental skills necessary to skillfully play the team sport of soccer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 125. Golf Term Typically Offered: Fall, Spring Description: Instruction for acquiring the basic knowledge and skills for golf. The course will focus on grip, stance, swing, and other primary skill components of the game. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 137. Volleyball Term Typically Offered: Fall, Spring Description: Focuses on learning and developing basic volleyball skills such as passing, serving, attacking, and playing defense. Additionally, team concepts, strategies, sport history, rules and terminology, and sportsmanship are also covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 126. Tumbling and Apparatus Description: Teaches fundamental skills of tumbling and the use of apparatus. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 138. Basketball Term Typically Offered: Fall, Spring, Summer Description: Focuses on learning and developing basic basketball skills such as dribbling, shooting, passing, and playing defense. Additionally, team concepts, strategies, sport history, rules, terminology, and sportsmanship will be covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 127. Beginning Fencing Term Typically Offered: Fall, Spring Description: Teaches fundamental skills, techniques, tactics, and basic rules necessary to participate in fencing activities at the novice level. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 140. Softball Term Typically Offered: Occasionally Offered Description: Focuses on learning and developing softball skills such as throwing, pitching, hitting, catching, and fielding. Additionally, team concepts, strategies, sport history, rules, and terminology, and sportsmanship are also covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 128. Pickleball Description: The purpose of this course is to learn the proper strokes and strategy of Pickleball. This game combines tennis and badminton skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 144. Physical Activity for the Older Adult Description: Exercise program for the older adult. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 132. Canoeing Prerequisite(s): HSS 102 or equivalent. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 145. Activity for the Physically Challenged Prerequisite(s): Permission of instructor. Description: This course is designed for the University disabled student. An individual program is established based on the needs of the student. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>HSS 133. Backpacking and Hiking Term Typically Offered: Fall, Spring Description: Provides the knowledge of the physical activity and recreational components involved in backpacking and hiking. Emphasis is placed on planning, equipment, clothing, environmental impact and safety. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>HSS 150. Special Topics: Physical Education Activities Term Typically Offered: Fall, Spring, Summer Description: Classes announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>

<p>HSS 160. Beginning Aerobic Dance 1 Unit Description: Develops cardiovascular fitness through the medium of dance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 180. First Aid and Safety Education 3 Units Term Typically Offered: Fall, Spring, Summer Description: Safety procedures and first aid measures; lecture and demonstration with skill training in all procedures. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 161. Intermediate Aerobic Dance 1 Unit Prerequisite(s): HSS 160 or equivalent. Description: Teaches techniques of intermediate aerobic dance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 181. Academic Orientation 1 Unit Term Typically Offered: Fall Only Description: An overview of the University, College of Education and Human Development, and HSS Department requirements, procedures, and culture. An introduction to university life and skills for success for incoming freshmen. Note: Cross-listed with EDTP 101.</p>
<p>HSS 162. Beginning Modern Dance 1 Unit Term Typically Offered: Occasionally Offered Description: Teaches techniques of creative dance to include movement sequences leading to individual and group dances for initial composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 163. Intermediate Modern Dance 1 Unit Prerequisite(s): HSS 162 or faculty consent. Description: Teaches techniques of intermediate modern dance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 184. Healthy Lifestyles I 3 Units Term Typically Offered: Fall, Spring, Summer Description: This class is an exploration of the relationship of human characteristics and behaviors to wellness; specifically, the biological, psychological, and sociological factors that influence and promote healthy lifestyles and wellness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 164. Beginning Country Western Dance 1 Unit Description: Course is designed to teach the basic steps of two-steps, waltz, East-Coast swing, and a variety of line dances. Additional emphasis is on terminology and history. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 190. Life Skills Development in Collegiate Athletics 3 Units Term Typically Offered: Fall, Spring, Summer Description: This course will provide information on a wide range of topics with regard to the development of collegiate student-athletes and the current student-focused trends in athletics today. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 165. Ballroom Dance 1 Unit Term Typically Offered: Fall, Spring Description: This course is designed to teach students the basic ballroom dance steps including the foxtrot, waltz, cha-cha, East-West swing and others. Dance terminology and history of ballroom dance will be covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 200. Introduction to Health Education 3 Units Term Typically Offered: Fall, Spring Description: An introduction to the historical, philosophical, and biopsychosocial foundations of health education and prevention science. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 166. African Dance 1 Unit Term Typically Offered: Occasionally Offered Description: This course is designed to teach students various West African dances, emphasizing movement, improvisation and individual expression. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 201. Introduction to Prevention Science 3 Units Description: The foundations of school health and public health education as a profession, a discipline, and an occupation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 167. Country Line Dance 1 Unit Description: This course is designed to teach students the basic steps to Country Western line dances and become familiar with the basic terminology and appropriate music selections for each dance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 202. Human Anatomy & Physiology 3 Units Term Typically Offered: Fall, Spring, Summer Description: Introduction to structure and function of human body. Covers basic concepts related to anatomical terminology, cells, tissues, integument, skeletal, muscular, nervous, and endocrine systems. Interrelationships of organ systems are emphasized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>HSS 225. Skill Acquisition & Analysis 3 Units Term Typically Offered: Spring Only Description: The purpose of this course is to provide learning experiences that will lead to the development of teaching skills in both the individual and team sports. In addition to skill acquisition, the course will focus on how to plan and implement skill development in individual and team sports for students in grades 5-12. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 270. Introduction to Physical Education 3 Units Term Typically Offered: Fall, Spring Description: This class focuses on the history, aims, objectives, and principles of physical education to their application to present-day educational programs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 251. Officiating 2 Units Term Typically Offered: Spring Only Description: Classroom and laboratory experiences in the ethics of sports officiating; the mastery, interpretation, and application of sports rules. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 271. Teaching Physical Education 3 Units Term Typically Offered: Fall Only Description: This course focuses on foundations of teaching and classroom management strategies, observational techniques and tools, instructional design, and teacher reflection for working with diverse learners. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 252. Coaching of Aquatics 2 Units Prerequisite(s): Senior life saving. Description: Basic techniques in various events. Knowledge of personnel, training procedures, facilities, equipment, and management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 274. Physical Education and Health for Elementary Teachers 3 Units Term Typically Offered: Fall, Spring, Summer Description: Physical education and health practices, activities, and basic approaches for the elementary classroom teacher. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 253. Baseball Coaching 2 Units Description: The techniques of position play, offensive and defensive team play, strategy, rules, scoring, facilities, equipment, and management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 275. Elementary School Physical Education Laboratory 1 Unit Prerequisite(s): HSS 274 (or concurrent). Description: Experiences in an elementary school situation related to HSS 274. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 254. Track and Field Coaching 2 Units Description: Basic techniques in various events; knowledge of personnel, training procedures, facilities, equipment, and management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 293. Social and Psychological Dimensions of Physical Activity - SB 3 Units Term Typically Offered: Fall, Spring, Summer Description: Emphasis on socialization and cultural diversity as these affect physical education. Examination of psychological factors that influence learning and enhance the effects of participation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 255. Fundamentals of Football Coaching 2 Units Description: Fundamentals of individual play, offensive and defensive team play, rules, program organization, training methods, and management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 300. The Theory and Art of Movement 2 Units Description: Basic movements and the elements in them, observation of, and appreciation for, skilled movement; application of principles of movement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 256. Fundamentals of Basketball Coaching 2 Units Description: Fundamentals of individual play. Offensive and defensive team play, organization, training methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 302. Nutrition in Healthy Living 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Restricted to HSS students only. Description: Introduction to nutritional needs from prenatal to elderly. Issues relevant to diet and popular topics in nutrition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 263. Environmental Biology 3 Units Description: A study of the biological principles of environmental effects on living organisms; emphasis on ecological relationships of man, including resource exploitation, pollution, environmental degradation, and human behavior. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>HSS 303. Human Nutrition Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CHEM 101, CHEM 201, or CHEM 105. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HSS 359. Fundamentals of Camping and Outdoor Recreation Prerequisite(s): HSS 201 or consent of instructor. Description: Development of camping and outdoor recreation skills and knowledge including backpacking, canoeing, car camping, etc. Certification through American Camping Association. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HSS 310. Healthy Lifestyles II Term Typically Offered: Fall, Spring, Summer Description: A community based approach to addressing health issues facing Americans in the 21st century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HSS 364. Women's Health Issues - D1, SB Term Typically Offered: Fall, Spring Description: This course will identify a broad range of health issues that can be unique to women or of special importance to women throughout the world. The course will examine the roles women play as both providers and consumers of health care nationally and internationally. Note: Cross-listed with WGST 364.</p>	<p>3 Units</p>
<p>HSS 320. Growth and Motor Development Across the Lifespan Term Typically Offered: Fall, Spring, Summer Description: Provides the student with a knowledge base in the study of growth and motor behavior across the life-span for individuals with and without disabilities. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 374. Elementary Physical Education Methods Term Typically Offered: Spring Only Prerequisite(s): HSS 326. Corequisite(s): HSS 493. Description: An elementary physical education methods course that provides in-depth analysis of basic, rhythmic movements, fundamental motor and manipulative skills, and physical fitness activities at the elementary grade level. Students will learn age appropriate strategies for instruction in elementary physical education. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 326. Movement Skills and Concepts in Physical Education Term Typically Offered: Fall Only Prerequisite(s): HSS 320 The course develops content knowledge in foundational skills fundamental movement skills and concepts, rhythmic activities, gymnastics, lead-up/modified games, and fitness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HSS 377. Introduction to Statistics in Health and Human Performance Term Typically Offered: Fall, Spring, Summer Prerequisite(s): 60+ hours. Description: Theory and practice of measurement; administration of tests and interpretation of their results by fundamental statistical procedures. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HSS 327. Invasion and Net Games Term Typically Offered: Spring Only Description: Development and analysis of invasion and net game skills used to the respective sports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HSS 380. Medicinals: Their Use and Misuses Prerequisite(s): Junior standing. Description: A study of the mechanisms by which drugs influence living systems, with emphasis on heavy metals, birth control drugs, pesticides, noxious gases, natural poisons, various nonprescription drugs, and the use and abuse of drugs affecting the central nervous system. Note: Nursing students may not register for credit without consent of the instructor.</p>	<p>3 Units</p>
<p>HSS 328. Target and Fielding Games Term Typically Offered: Spring Only Description: Development and analysis of target game and fielding game skills used in the respective sports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HSS 350. Culinary Nutrition Term Typically Offered: Occasionally Offered Description: Principles of healthy cooking techniques and hands-on experience to create flavorful and appealing nutrient dense foods. The focus is on using herbs and spices to enhance the taste and nutritional value of food. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>HSS 381. Anatomy and Physiology Lab I 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): HSS 202 or BIOL 260; HSS 386 or BIOL 261 (or concurrent). Description: In this course you will learn to identify human organs, bones and muscles. You will be introduced to the collection and presentation of scientific data. There will be a strong emphasis on the connection between structure and function, usually in the healthy individual but with some exploration of abnormalities found in disease states. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 387. Biomechanics 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 202 or BIOL 260. Description: The anatomical and physiological analysis of human motion emphasized for the purpose of promoting normal development and improvement of performance. Mechanical physics principles will be discussed as they are related to the structure and function of the human body as it moves. Students will learn anatomy and structure of the neuromuscular system and be able to observe and describe human movement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 382. Wellness Coaching 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): HSS 184 or instructor consent. Description: This course is designed to provide a hands-on wellness coaching opportunity for university students. Students will practice wellness coaching techniques with their peers in class, under direct supervision of their instructor. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 388. Principles of Athletic Conditioning 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 387. Description: Restricted to students admitted to the School of Education. Practical application of physiological theory in order to write activity prescription for athletic conditioning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 383. Public Health Principles and Practices 3 Units Term Typically Offered: Fall Only Description: Philosophy of public health; the structure, personnel, and programs of public health agencies. Note: Offered as needed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 389. Prevention and Care of Athletic Injuries I 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 387. Description: Restricted to students admitted to the College of Education and Human Development. Course stresses importance of prevention of injuries by conditioning and material aids and offers supervised training in caring of injuries. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 384. Program Planning in Health Education 3 Units Term Typically Offered: Fall Only Prerequisite(s): HSS 310 or consent of instructor. Description: The effective design, implementation and evaluation of health instruction within the school and community setting; emphasis on the development of sequential learning opportunities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 390. Advanced Anatomy and Physiology II 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 202 or BIOL 260; HSS 386 or BIOL 261. Description: The course will introduce the fundamental structure of the human body and the physiological mechanisms involved in normal functioning through lecture and student participation activities. This course specifically focuses on the nervous, endocrine, digestive, urinary, and reproductive systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 385. Teaching Health Education 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 384 or permission of instructor. Description: Selecting methods, resources and media for implementing health program plans for diverse learners. Focus on strategies for Coordinated School Health and community based programs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 391. Anatomy and Physiology Lab II 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 202 or BIOL 262; HSS 386 or BIOL 261; HSS 390 (or concurrent). Description: In this course you will learn to identify human organs, nerves, immune and respiratory systems. You will be introduced to the collection and presentation of scientific data. There will be a strong emphasis on the connection between structure and function, usually in the healthy individual but with some exploration of abnormalities found in disease states. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 386. Advanced Anatomy and Physiology I 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 202 or BIOL 260. Description: The course will introduce the fundamental structure of the human body and the physiological mechanisms involved in normal functioning and during exercise through lecture and student participation activities. This course specifically focuses on the histology, skeletal, muscular, cardiovascular, lymphatic, and respiratory systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>HSS 392. Principles of Sport and Exercise Psychology 3 Units Description: Examination of psychological factors influencing participation in physical activity and performance of motor skills. Consideration of practices to enhance the psychological effects of participation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 402. Practicum in Health and Human Performance 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Admission to HHP major. Description: The purpose of HSS 402 is to provide HHP majors with opportunities to understand their intended discipline and have a chance to participate in practical applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 394. Foundations of Exercise Physiology 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 202 or BIOL 260. Description: This course provides an overview of selected topics in exercise physiology and sports medicine with emphasis on practical applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 404. Methods in Elementary Physical Education 4 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the Initial Teacher Certification Program. Description: This course includes the philosophy, objectives, curriculum and methods of teaching physical education to elementary children. This course includes 70+ hours of field experience in elementary physical education in public schools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 395. Fitness Assessment and Prescription 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 394. Description: Restricted to students admitted to the College of Education and Human Development. Theoretical overview of competencies necessary for Health Fitness Certification through the American College of Sports Medicine and Certified Personal Trainer credential through the National Strength and Conditioning Association including functional anatomy and biomechanics, exercise leadership, exercise programming, health appraisal and program administration. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 405. Methods in Secondary Physical Educaiton 4 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the Initial Teacher Certification Program. Description: This course includes the philosophy, objectives, curriculum and methods of teaching physical education to secondary students. Must be taken prior to student teaching. This course includes 70+ hours of field experience in secondary (middle or high) physical education in public schools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 396. Lab Methods in Fitness Evaluation 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 394. Description: Restricted to students admitted to the College of Education and Human Development. This course will provide hands-on experience with fitness and performance testing. It will cover health risk assessment, anthropometric measurements, and measurements of strength, flexibility, aerobic fitness, anaerobic capacity, and body composition. The course will also discuss how to create an appropriate testing battery and fitness testing for special populations. Students will learn to collect appropriate physiological data and be able to interpret it. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 409. Experiential Outdoor Education Leadership 3 Units Prerequisite(s): Major in HSS or consent of instructor. Description: This course will develop the necessary skills to lead outdoor-experiential education programs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 397. Special Topics in Health and Sport Science 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Sophomore standing. Description: Examination of well-defined topics not studied in regular undergraduate courses. Topics will be announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 410. Theories of Sport Pedagogy - CUE 3 Units Term Typically Offered: Fall Only Corequisite(s): HSS 493. Description: Provides students with the basic effective teaching strategies along with research from which they are based. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HSS 411. Theory and Analysis of Team Sport Skills 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): HSS 320.

Description: Instruction, analysis, and evaluation of team sport skills.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 412. Theory and Analysis of Individual Sport Skills 3 Units

Term Typically Offered: Spring Only

Description: Instruction, analysis, and evaluation of individual sport skills.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 414. Student Teaching in Elementary Physical Education 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): HSS 404, HSS 405, and HSS 485.

Description: This course provides supervised observation, participation and teaching in physical education at the elementary school level (K-5).

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 415. Student Teaching in Health Education 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): HSS 404, HSS 405, and HSS 485.

Description: Five weeks of supervised observation, participation, and teaching health education in middle and high schools.

Note: Must be taken concurrently with HSS 414 and HSS 416.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 416. Student Teaching in Secondary Physical Education 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): HSS 404, HSS 405, and HSS 485.

Description: This course provides supervised observation, participation and teaching in physical education at the secondary school level (middle or high school).

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 418. Diverse Populations in Physical Activity and Health 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The study of social and cultural systems of diverse groups, related to physical activity and health.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 419. Adapted Physical Education 3 Units

Description: Adapted physical education in an academic and practical approach to teach P-12 physical education students with disabilities in school settings during physical education classes and after school programs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 430. Epidemiology of Health, Physical Activity and Nutrition 3 Units

Term Typically Offered: Spring Only

Description: The course provides an overview of the epidemiology of physical activity and nutrition in relationship to coronary heart disease, stroke, cancer and type II diabetes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 431. Leadership in Health Promotion - CUE 3 Units

Term Typically Offered: Spring Only

Description: Analysis of administrative and organizational factors of health education and promotion from within the program, within the organization, and between organizations. Emphasis will be placed on policy making, administration, and functional issues such as collaboration and consultation at the organizational level.

Note: Cross-listed with HSS 631.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HSS 432. Biostatistics in Health and Exercise Science 3 Units Term Typically Offered: Fall Only Prerequisite(s): HSS 377 or permission of instructor. Description: An introduction to biostatistical methods in health and exercise science. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 469. Administering Health Promotion and Disease Prevention Programs 3 Units Prerequisite(s): Senior standing. Description: Special problems in administering health promotion and disease prevention programs in a variety of community organizations. Program planning and organization; financing and budgeting; measuring program effectiveness; integration of programs and strategies with existing healthcare delivery systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 434. Public Health Education Methods 3 Units Term Typically Offered: Fall, Spring Description: This course is designed to cover strategies and methods for delivering public health education. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 477. Capstone Seminar: Initial Teacher Certification - CUE 3 Units Term Typically Offered: Spring Only Prerequisite(s): Admission to Initial Teacher Certification Program. Corequisite(s): HSS 414, HSS 415 and HSS 416. Description: Designed as an analysis of student professionalism and reflective teaching skills, and understanding the learner with the instructional context. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>HSS 455. Current Trends and Issues in Health Education - CUE 3 Units Term Typically Offered: Spring Only Prerequisite(s): Senior standing. Description: Examination of current literature, research, and trends in the health education field, culminating undergraduate experience. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 485. Methods in Health Education 4 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the Initial Teacher Certification Program. Description: This course covers planning, instructional strategies, implementation and assessment of health education related to practical living at the middle and high school levels. This course includes 70+ hours of field experience in secondary (middle or high) physical education in public schools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 460. Human Body in Health and Disease 3 Units Description: Basic structure and function of body cells, tissues, organs, and organ systems; their interrelationship in health and disease. Infectious and degenerative diseases, mental and emotional problems, nutrition, environmental health, health care delivery. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 486. Advanced Exercise Physiology - CUE 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): HSS 394, HSS 387. Description: Restricted to students admitted to the College of Education and Human Development. This course provides knowledge about exercise physiology through a uniform and physiology-based curriculum. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>HSS 462. Alcohol and Drug Education 3 Units Term Typically Offered: Fall Only Description: Study of key components of alcohol and drug education, i.e., self-concept information, coping skills, refusal skills, and decision-making. Alcohol and drug education programs at the national, state, and local level will be reviewed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 463. Sexuality Education 3 Units Term Typically Offered: Fall Only Description: Survey of the dynamics of family life and parenting skills. Scope of family life education, methods, source materials and current issues. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>HSS 492. Exercise Science Internship 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 402; HHP - Exercise Science Major; 90+ hours. Description: This course involves practical application of the exercise science knowledge and skills through community engagement. The internship is an individually arranged course combining work experience with critical thinking skills project. Note: Course may be repeated to a maximum of 9 hours with a maximum of 6 credits (2 sections per term). Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 501. Stress and Tension Control 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): HSS 202 or equivalent. Description: A study of physiological, sociological, and psychological stresses and their underlying mechanisms of action. Emphasis on modification of stress via developed proficiency in relaxation techniques. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 503. Obesity: Causes, Control 3 Units Prerequisite(s): HSS 202 or equivalent. Description: A study of the physiological, psychological, and sociological factors in the development and modification of obesity. Laboratory experiences in the assessment of obesity will be provided. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 504. Physical Activity and Health 3 Units Description: A study of the positive and negative influences of physical activity on diseases and infirmities that affect a healthy lifestyle. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 505. Stress and Disease 3 Units Prerequisite(s): HSS 202 or equivalent. Description: Relationship of stress to acute and chronic disease and the effects of contemporary stressors on psychophysiological responses. Examination of mechanisms of adaptation, treatment, and prevention. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 507. Senior Seminar in Exercise Physiology 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): HSS 387 and HSS 394; 90+ hours; and permission of instructor. Description: Critical and comprehensive examination of well-defined topics related to exercise physiology that are not studied in regular courses. Topics will be announced in schedule of courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 530. Nutrition and Athletic Performance 3 Units Prerequisite(s): HSS 302 and HSS 303; or consent of instructor. Description: Principles of nutrition with special emphasis on nutrient and energy needs of athletes of optimal performance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 564. Women's Health Issues 3 Units Description: This course will identify a broad range of health issues that can be unique to women or of special importance to women throughout the world. The course will examine the roles women play as both providers and consumers of health care nationally and internationally. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 493. Internship in Physical Education 1-3 Units Term Typically Offered: Spring Only Prerequisite(s): HSS 410 (or concurrently) An individually arranged course combining a work experience with a related academic or creative project. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 494. Internship in Public Health Education 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 402. Description: This course involves practical application of public health knowledge and skills in a community setting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>HSS 495. Internship in School Health Education 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): HSS 402. Description: This course involves practical application of school health knowledge and skills in a community setting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HSS 496. Internship in Wellness Coaching 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): HSS 382. Description: Provides a hands-on wellness opportunity for university students to coach participants toward a positive health behavior change. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HSS 499. Directed Readings in Health and Sport Science 1-3 Units Term Typically Offered: Spring Only Prerequisite(s): Faculty consent. Description: Supervised readings pertaining to a research topic in Health Education. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HSS 565. Nutrition for Children and Adolescents 3 Units

Description: Nutritional needs during childhood are covered with emphasis on diet evaluation, menu planning and disease prevention. Nutrition units will be developed using the curriculum planning map. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 567. Healthy Sexuality and AIDS Education 3 Units

Description: A study of the basic competencies required for AIDS/STD education and prevention within the framework of healthy sexual functioning. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 575. Administration of Physical Education Program and Athletics 3 Units

Description: Administration of the total physical education program on the secondary school level, including units on budget, staff, facilities, programs, equipment, public relations, and evaluation. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 589. Prevention and Care of Athletic Injuries II 3 Units

Prerequisite(s): HSS 389 or equivalent or consent of instructor.
Description: Focuses on basic anatomy and its relationship in sports-induced injuries. Provides framework for adapting prevention, evaluation, management and rehabilitation techniques to aid in the treatment of athletic injuries. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 597. Special Topics in Health and Sport Science 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): Consent of instructor.
Description: Examination of well-defined topics not studied in regular courses. Topics will be announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HSS 598. Independent Study in Health and Sport Science 1-3 Units

Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Hebrew (HEBR)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

HEBR 101. Elementary Hebrew I 3 Units

Term Typically Offered: Occasionally Offered
Description: For beginners. The elements of Hebrew, working on four skills: speaking, understanding, writing and reading. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 102. Elementary Hebrew II 3 Units

Term Typically Offered: Occasionally Offered
Description: Continued work on the elements of Hebrew, working on four skills: speaking, understanding, writing and reading. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 175. Traveling in Hebrew 3 Units

Description: Emphasis on spoken and written language needed to travel in Hebrew-speaking countries; elementary phrases, elementary reading ability. No writing is included.
Note: Does not apply toward A&S language requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 201. Intermediate Hebrew I 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): HEBR 102 or permission of instructor.
Description: More advanced work in Hebrew, building reading and writing skills in particular, while continuing to build ability to speak and to understand the spoken language.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 202. Intermediate Hebrew II 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): HEBR 201 or permission of instructor.
Description: Continued work on communicative skills of understanding spoken language, speaking, reading and writing. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 301. Biblical Hebrew I 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): Completion of HEBR 202 or consent of instructor.
Description: Study of grammar, morphology, syntax and vocabulary in order to read, translate and interpret texts from the Hebrew Bible. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HEBR 302. Reading Biblical Hebrew II **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): HEBR 301 or permission of instructor.
Description: Continued study of grammar, morphology, syntax and vocabulary in order to read, translate and interpret texts from the Hebrew Bible.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

History (HIST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

HIST 101. History of Civilizations I - D2, SBH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: General introductory history survey, with global component. Must cover 1,000 years of history prior to about 1400 or 1500 A.D., with at least 1/3 of coverage devoted to a non-western society (or societies).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 102. History of Civilizations II - D2, SBH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: General introductory history survey, with global component. Must cover 300 years of history since about 1400 or 1500 A.D., with at least 1/3 of coverage dedicated to a non-western society (or societies).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 103. The World Since 1900 - D2, SBH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Introductory survey of world history from 1900 to the present, featuring a comparative approach. The course offers a broad overview of the major themes and events in the world since 1900 while enabling students to acquire a basic knowledge of the historical narrative of the recent past.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 211. American History I - D1, SBH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: A survey of United States history up to the end of the Civil War, emphasizing social, economic, and cultural factors.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 212. American History II - D1, SBH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: A survey of United States history since the end of the Civil War, emphasizing social, economic, and cultural factors.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 301. Early Political Thought **3 Units**
Description: A general survey of political thought, typology, and systems from classical antiquity through the Middle Ages to the beginning of modern times.
Note: Cross-listed with POLS 381.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 302. Modern Political Thought **3 Units**
Term Typically Offered: Spring Only
Description: Main currents in modern political thought, including liberal, Marxist-Leninist, socialist, anarchist, and conservative thought. Topics such as equality, alienation, participation, political obligation, political order, and change.
Note: Cross-listed with POLS 382.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 304. Historical Methods - WR **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): HIST 101 and HIST 102 (or HIST 105 and HIST 106) and approved major in History.
Description: Introduction to the basic techniques of historical scholarship, including brief studies of historiography, research skills, use of primary and secondary sources, historical specializations, and the writing of history.
Note: Required of history majors.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 305. Historical Geography of the United States **3 Units**
Term Typically Offered: Spring Only
Description: Analysis of the changing cultural landscape and settlement patterns of the United States. Emphasis on the changing spatial relationships of ethnic minorities to the majority group.
Note: Cross-listed with GEOG 305.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HIST 308. Europe from 1500 to the French Revolution 3 Units Term Typically Offered: Occasionally Offered Description: A survey of early modern European political, social, economic, and cultural developments. Topics to include the Reformation, Absolutism, the Enlightenment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 315. United States Constitutional History I - WR 3 Units Term Typically Offered: Fall Odd Years Description: Examines United States constitutional development from the Colonial Era to 1860. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 309. Europe from 1800 to the Present 3 Units Term Typically Offered: Summer Only Description: A survey of modern European political, social, economic, and cultural developments. Topics to include Industrialization, Nationalism, World War. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 316. United States Constitutional History II - WR 3 Units Term Typically Offered: Spring Even Years Description: Examines United States constitutional development from 1860 to present. Note: Approved for the Arts and Sciences upper-level requirement in written communication - WR. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 310. Studies in History 3 Units Term Typically Offered: Fall, Spring Description: Topic to be chosen by instructor and announced in the online schedule of courses. Note: Junior standing is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 317. African American Experience in Wartime 3 Units Term Typically Offered: Fall, Spring Description: History of African Americans and the U.S. Military from the Revolution to the Gulf Wars. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 311. United States Economic History 3 Units Description: Economics of colonial America and the United States. Analysis of financial institutions, public and private, associated with development. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 318. U.S. in the Sixties 3 Units Term Typically Offered: Occasionally Offered Description: Major social, political, cultural and economic developments of the decade, with emphasis on the forces critical of mainstream America. Note: HIST 212 is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 312. History of US Foreign Relations I 3 Units Term Typically Offered: Occasionally Offered Description: Analysis of the United States relations with other nations and peoples, emphasizing influences of political, economic, and ideological forces upon foreign relations from 1776-1920. Note: HIST 211 is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 319. African-American History I - D1, SBH 3 Units Term Typically Offered: Fall, Spring Description: A united study of the economic, social, cultural, political, and educational development of African-Americans in the United States. Division date: 1865. (Social Sciences) Note: Cross-listed with PAS 319. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 313. Comparative Environmental History 3 Units Term Typically Offered: Spring Only Description: A comparative study of the historical roots of environmental issues in the U.S. and other regions of the world. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 320. African-American History II - D1, SBH 3 Units Term Typically Offered: Fall, Spring Description: A unified study of the economic, social, cultural, political, and educational development of African Americans in the United States. 1865 to present. Note: Cross-listed with PAS 320. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 314. History of US Foreign Relations II 3 Units Term Typically Offered: Fall, Spring Description: Analysis of the United States relations with other nations and peoples, emphasizing influences of political, economic and ideological forces upon foreign relations since 1920. Note: HIST 212 is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>HIST 321. Black Culture and U.S. Democracy 3 Units Term Typically Offered: Fall Only Description: Evaluation of the Black civil rights struggle to achieve cultural democracy and inclusion in mainstream cultural life and institutions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 331. Colonial Latin America 3 Units Term Typically Offered: Occasionally Offered Description: Origins of the colonial empires of Spain and Portugal in the Americas, development of colonial cultures, and the independence of Latin America. Note: Junior standing is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 322. The History of the Civil Rights Movement, 1900 to Present 3 Units Term Typically Offered: Fall, Spring Description: Study of the modern civil rights movement, its leaders, programs and strategies, from 1900 to present. Note: Cross-listed with PAS 322. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 332. Latin America, 1820 to Present 3 Units Term Typically Offered: Fall, Spring Description: Latin America since independence with emphasis upon social, economic, and political development. Note: Junior standing is recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 323. Modern American Social Movements 3 Units Term Typically Offered: Occasionally Offered Description: Introduces students to the history of modern American social movements. Topics will include organizing strategies, motivations, tactics, and results. Note: Cross-listed with SCHG 323. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 333. Women in Latin American History 3 Units Term Typically Offered: Occasionally Offered Description: Examines the history of women and gender in Latin America, with an emphasis on women's political participation. Note: Credit may not be earned for this course and WGST 333. Note: HIST 331 or HIST 332 recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 324. The History of Women, 1700 to the Present 3 Units Term Typically Offered: Fall, Spring Description: A comparative treatment of women's changing status, including material from European and American history. Note: Junior standing is recommended. Note: Credit may not be received for this course and WGST 331. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 339. Women in the Ancient World 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): HIST 344, or HIST 341, or HIST 342, or HIST 343. Description: A survey of the roles and status of women in the civilizations of the Ancient Mediterranean. Note: Junior standing and prior coursework in ancient history is strongly recommended. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 326. History of Childhood in America - D1, SBH, WR 3 Units Term Typically Offered: Fall, Summer Description: An analysis of the impact of socioeconomic and ideological change on the experience of children and youth from the colonial period to the present, with attention to the effects of race, class, and gender on childhood experience. (Social Sciences) Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: Credit may not be earned for this course and WGST 332. Note: Cross-listed with WGST 332. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 340. Ancient Mediterranean World 3 Units Term Typically Offered: Occasionally Offered Description: A survey of the history and cultures of the ancient Near East, Greece, and Rome from earliest times to 500 CE. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 329. History of the New South 3 Units Term Typically Offered: Occasionally Offered Description: Survey of the history of the American South from 1865 to present, covering major social, economic, political and cultural trends and events. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 341. The Ancient Near East 3 Units Term Typically Offered: Occasionally Offered Description: A chronological survey of the political, economic, and technological developments in Egypt, Mesopotamia, Syria-Palestine, and adjacent cultures from earliest times to 323 BCE. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>HIST 342. Ancient Greece Term Typically Offered: Fall, Spring, Summer Description: History of Greece from 1500 BCE to 146 BCE. Note: Junior standing is recommended.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 352. Medieval Europe II Term Typically Offered: Occasionally Offered Description: First semester: Christian and Islamic civilization from the late Roman Empire through the Investiture contest. Second semester: High Middle Ages and the Renaissance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 343. The Roman World Term Typically Offered: Fall, Spring, Summer Description: History of Rome from the beginning to 476 CE. Note: Junior standing is recommended.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 353. Europe in the Sixteenth Century Description: Europe's transition from the medieval to the early modern period; emphasis on the crisis of Christian culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 344. Introduction to Ancient Egypt. Term Typically Offered: Fall, Summer Description: This course surveys the social, political, and cultural history of Pharaonic Egypt from ca. 300 BCE to 30 CE. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 354. Renaissance Culture Term Typically Offered: Fall, Spring Description: Civilization of the Renaissance in Italy; the Northern Renaissance; analysis of changing styles of thought and artistic expression. Note: Credit may not be received for this course and HUM 303.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 345. Culture of the Ancient Near East Description: A survey of the social, legal, and religious institutions and literary achievements of Egypt, Mesopotamia, and Syria-Palestine from earliest times to 323 B.C.E. Note: Credit may not be received for this course and HUM 300.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 355. European Ideas and Ideologies: Selected Topics - WR Term Typically Offered: Occasionally Offered Description: Topics focus upon the thought of one or more generations of European thinkers between the age of Charlemagne and the present in the arts and sciences, and the effects of the ideas upon European culture and history. Note: Topics will be announced in schedule of courses. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 346. Greek and Roman Culture Term Typically Offered: Fall Only Description: A survey of ancient culture to the end of the Roman Empire; examples of ancient literature, art, and thought. Note: Junior standing recommended. Note: Credit may not be received for this course and HUM 301.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 356. Islamic Middle East Term Typically Offered: Fall Only Description: Muhammad and origins of Islam in seventh century; creation of Caliphate and Islamic Empire until thirteenth century; status of Christians and Jews; religious sectarianism; women; economics; relations with Europe. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 350. Origins of Christianity Term Typically Offered: Fall, Spring Description: Early Christianity from its Judaic and Hellenistic background up to the period of Gregory the Great. Note: HIST 340, HIST 343 or HIST 351 is recommended.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 357. Middle Eastern History, 1453 to the Present - WR Term Typically Offered: Occasionally Offered Description: Emphasis on Iran and the Arab world. The Ottoman Empire, European incursion. Mandate states, and independence. The contemporary Middle East. Note: Approved for Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 351. Medieval Europe I Term Typically Offered: Fall Even Years Description: First semester: Christian and Islamic civilization from the late Roman Empire through the Investiture contest. Second semester: High Middle Ages and the Renaissance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>		

<p>HIST 358. The Scientific Revolution 3 Units Description: The history of science and medicine in sixteenth- and seventeenth-century Europe. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 366. English History: Tudor Age to Welfare State 3 Units Term Typically Offered: Fall Odd Years Description: Emphasis on Reformation; era of civil wars, aristocratic domination of politics, industrialization, democracy, modern welfare state, thought, artistic expression. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 359. History of Modern Science 3 Units Term Typically Offered: Occasionally Offered Description: The history of science and medicine from 1800 to the present in Europe and the United States. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 367. British Imperialism 3 Units Term Typically Offered: Fall Only Description: The history of British imperialism from the end of the American Revolution in 1783 to the present, including such issues as the abolition of slavery, the birth of responsible government, British rule in India, the "Scramble for Africa," the development of the Commonwealth of Nations, colonial nationalism, and decolonization. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 360. The Origins of Islam 3 Units Description: This course will concentrate on the history of the early period of Islam, including the life of the Prophet Muhammad and the early Caliphates. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 368. History of France, 1598-1799 3 Units Description: French society, government, and culture from the time of Henry IV to the Revolution. The Age of Absolutism and the Enlightenment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 361. Modern Jewish History: The 20th Century 3 Units Term Typically Offered: Occasionally Offered Description: The Jewish experience in the twentieth century. Topics include development of the American Jewish community, the Holocaust, Zionism and Israel. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 369. History of France, 1799 to the Present 3 Units Term Typically Offered: Summer Only Description: French society, government, and culture from Napoleon to the Fifth Republic. July Monarchy, Second Empire, and Republics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 362. The United States and the Middle East 3 Units Term Typically Offered: Fall Only Description: Relations between America and the Middle East from 1800 to the present. Special emphasis on religion, business, politics, and the military. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 375. Golden Age of Spain 3 Units Term Typically Offered: Occasionally Offered Description: Survey of Spanish government, society, culture, and economic development, fifteenth through eighteenth centuries. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 363. Russian History I 3 Units Term Typically Offered: Fall Only Description: Russian history from the earliest times to present. Nature of political system before and after 1917; Russia and the West; modernization of Russian society. Division date is 1860. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 376. War in the Modern Middle East - WR 3 Units Description: History of twentieth-century wars in the Middle East, from World War I to the Gulf War. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HIST 364. Russian History II 3 Units Term Typically Offered: Spring Only Description: Russian history from the earliest times to present. Nature of political system before and after 1917; Russia and the West; modernization of Russian society. Division date is 1860. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HIST 377. The Ottoman Empire to 1800 3 Units Term Typically Offered: Occasionally Offered Description: Class examines the formation of the early modern Ottoman state, the shifting place of the empire in a broader world order, and the evolution of society, institutions, economy, culture and religion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HIST 378. The Ottoman Empire and Modern Turkey from 1800 - WR 3 Units**Term Typically Offered:** Occasionally Offered**Description:** Reform, imperialism, nationalism. Empire's end and the modern republic.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 380. Hollywood and History 3 Units**Term Typically Offered:** Occasionally Offered**Description:** Hollywood's representation of various historical periods, events, and personages in film.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 384. Modern Culture 3 Units**Description:** A survey of modern thought and artistic expression, from the Enlightenment to the present time.**Note:** Credit may not be received for this course and HUM 304.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 385. Russian Cultural History - WR 3 Units**Description:** An historical study of Russian culture, high and popular, from 1860 to present, including literature, art, film, and music.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 386. Modern Germany, 1848-1945: The Struggle for Unity 3 Units**Term Typically Offered:** Fall Only**Description:** Modern German political, social, and cultural development during the unification period, the Empire, the Weimar Republic, and the Hitler years.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 387. The Holocaust, Genocide, and Global Imagination - D2, SBH 3 Units**Term Typically Offered:** Occasionally Offered**Description:** A study of the historical events, with analysis and evaluation of the Holocaust and other modern genocides on humanistic thought and imagination.**Note:** Cross-listed with HUM 387.**Note:** Credit may not be received for this course and HUM 387.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 393. African History Before 1800 - D2, SBH 3 Units**Term Typically Offered:** Spring Even Years**Description:** This course examines the development of African civilizations and societies across the African continent from early man up until 1800. Special emphasis will be on the establishment of precolonial states and kingdoms, examinations of African lifestyles and traditions, the role of religion and trade throughout African history, and the impact of trans-African slavery on the African continent.**Note:** 3-6 hours of HIST or PAS is recommended prior to taking this course.**Note:** Cross-listed with PAS 393.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 394. African History Since 1800 - D2, SBH 3 Units**Term Typically Offered:** Spring Odd Years**Description:** Development of African societies and culture since ca. 1800, including the abolition of trans-Atlantic slavery, colonization, independence movements, Pan-Africanism, and the challenges and successes of African societies in the recent past.**Note:** Cross-listed with PAS 394.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 395. Contemporary Africa 3 Units**Description:** Continental issues since independence, including such topics as apartheid, liberation movements, military regimes, African socialism, modernization, neocolonialism, cultural trends.**Note:** Junior standing is recommended.**Note:** Cross-listed with PAS 395.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 396. History of India 3 Units**Term Typically Offered:** Occasionally Offered**Description:** Introduction to the history of the Indian subcontinent since the foundation of the Indus Valley civilization. Role of political, intellectual, social and economic change in the creation of modern India, Pakistan, and Bangladesh.**Note:** Cross-listed with AST 396.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 397. Traditional China 3 Units**Term Typically Offered:** Occasionally Offered**Description:** This course studies the political, social and economic history of China from Shang dynasty to the intrusion of the West (1700 BC to 1800 AD).**Note:** Cross-listed with AST 397.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HIST 398. Modern China Term Typically Offered: Fall Only Description: From Confucianism to Communism in China: society, economy and politics, 1600-present. Note: Cross-listed with AST 398.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 418. United States Military History Term Typically Offered: Fall, Spring Description: The role of the military in U.S. history. Political, economic, and social aspects of U.S. history are emphasized as they pertain to the military. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 399. Modern Japan: Imperialism and Democracy Term Typically Offered: Spring Only Description: This course reviews Japanese history from the Yamato state to the collapse of the bubble economy (500-1900s). We first examine how Japanese native culture and government interplayed with imported elements from China and Korea, forming its own distinctive political structure and society in the Tokugawa era (1600-1868). We focus on Japan's modern experiences-state led nationalism and modernization since Meiji restoration, investigating how Western influence transformed Japanese state, society, culture and values. We explore origin, development, and the defeat of Japanese imperialism and militarism, analyzing how race, gender, and nationalities were constructed, and manipulated within Japanese empire in the wartime era (1931-45). Finally we examine postwar Japanese democracy and economic prosperity. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 419. Western Military History - WR Description: Military history of the western world from the earliest times to the present. Focus will be on the broad relationships between socio-political organization and military institutions and behavior. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 401. Cooperative Internship in History - CUE Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Students must have a minimum GPA of 3.0 overall and in History; completion of 60 hours. Description: An individually-arranged course combining a work experience with a related academic project. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 498. Honors Seminar - WR Prerequisite(s): Admission to the Honors Program. Description: Special opportunities to work in a seminar setting on topics chosen by the instructor. Note: Open to students in the College and Departmental Honors Programs. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 410. Honors History - WR Prerequisite(s): Admission to the Honors program. Description: Exploration of an individual topic in consultation with faculty advisor. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 499. Senior Honors Thesis - WR Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Honors program. Description: An independent study undertaken to complete requirements for graduation with honors in History. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HIST 501. Independent Study Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HIST 502. Independent Study Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

HIST 503. Advanced Studies in History 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Consent of instructor.

Description: Selected topics in history that cross traditional geographic or chronological boundaries.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 504. Philosophy of History - CUE, WR 3 Units

Description: Speculations on meaning of history from ancient times to present; discussion of such contemporary issues as nature of explanation, objectivity, truth in history.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 506. Women in 19th Century America - WR 3 Units

Prerequisite(s): Completion of ENGL 102 or ENGL 105, or the equivalent.

Description: Course focuses on material conditions, ideologies, and knowledge-systems that shaped American women's lives in the 19th century, with attention to race, class, and regional differences.

Note: Cross-listed with WGST 533.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both HIST 506 / WGST 533 and WGST 633.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 508. American Environmental History - CUE, WR 3 Units

Description: Relationship between economic development and environmental change, focusing on America, pre-colonial to present.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 509. Women and Medicine 3 Units

Term Typically Offered: Occasionally Offered

Description: In this course we will focus on women and medicine in the United States from the early 19th century to the 21st century. We will be concerned with women as patients, caretakers, and practitioners, and the sexual and racial politics of health care.

Note: Cross-listed with WGST 509.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 510. Studies in American History 3 Units

Description: Intensive study of particular topic, to be announced in course schedule.

Note: May be repeated under different subtitles.

Note: Junior standing is recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 511. History of the Old South - CUE, WR 3 Units

Description: Economic life, society, and government in the southern states from colonial times to the Civil War.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 512. History of the Jews in America - CUE, WR 3 Units

Description: The experience of Jews in America from the seventeenth century to the present, with attention to topics such as demography, the immigrant experience, anti-Semitism, religious movements and cultural developments.

Note: Approved for the Arts and Science upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 513. U.S. Social Justice Movements 3 Units

Prerequisite(s): Junior standing.

Description: Course will begin with abolitionism, then concentrate on social justice upsurges of the 20th century, with emphasis on women in the civil rights and Black liberation movements.

Note: Cross-listed with WGST 513, PAS 513, SCHG 513.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 514. United States Peace Movement 3 Units

Description: History of the peace movement in the United States from the beginning to the present. The course also examines nonviolent civil disobedience throughout U.S. history. Concentration on the twentieth century with the main focus being the Vietnam anti-war movement.

Note: HIST 314 is recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 516. History of American Civil Liberties - WR 3 Units

Description: Surveys the history of American civil rights, especially voting issues and civil liberties, especially speech and press issues, from colonial origins to present.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 518. Antebellum United States, 1800-1860 - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An intensive study of the social, economic, political and intellectual aspects of United States history between the Era of the Early Republic and the eve of the Civil War.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 519. Gilded Age and Progressive Era United States, 1877-1929 - WR 3 Units

Description: An intensive study of the social, economic, political and intellectual aspects of American History from the end of Reconstruction to the beginning of the Great Depression.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 521. Colonial America to 1765 - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: History of North America, focusing on the British Colonies, beginning with the first native Americans, to the end of the Seven Years War.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 522. The American Revolution and the Confederation - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An intensive study of the American Revolution and of the background of the Constitution.

Note: Approved for the Arts and Sciences upper-level requirement in written Communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 524. United States Civil War and Reconstruction - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: Political dissolution of the 1850s; political, social, economic, constitutional, and military events of the Civil War; the Reconstruction era.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 528. Recent American History, 1929-1945 - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An intensive study of the economics, policies, and social and intellectual developments of the Great Depression and World War II years in the United States.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 529. Recent American History, 1945 to Present - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An intensive study of the economics, politics, and social and intellectual developments of the modern period in the United States.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 530. History of Radio - CUE 3 Units**Term Typically Offered:** Spring Odd Years**Description:** This course explores the history of radio broadcasting from its beginnings to the present, with a focus on the way radio both reflected and shaped the political, cultural, technological, and economic history of the twentieth century. The primary focus is on radio in the United States, but the radio in other national and regional contexts is also considered. While the course devotes most of its attention to radio's so-called 'golden age' from the 1920s to the 1940s, there is also ample discussion of radio during the television and internet eras.**Note:** It is recommended that students have completed HIST 304 before taking this course.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 533. Twentieth-Century Latin America - CUE, WR 3 Units**Prerequisite(s):** 60 credit hours completed.**Description:** The history of Latin America since 1900, with special emphasis upon the problems of social change and revolution.**Note:** HIST 332 is recommended.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 534. The U.S. and Latin America - CUE, WR 3 Units**Prerequisite(s):** 60 credit hours completed.**Description:** The history of the international relations of the United States with the nations of Latin America, emphasizing economic, political, and ideological development.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Note:** HIST 314 is recommended.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 535. The History of Mexico: Pre-Columbian to the Present - CUE, WR 3 Units**Term Typically Offered:** Occasionally Offered**Prerequisite(s):** 60 credit hours completed.**Description:** Covers the history of Mexico from the Pre-Columbian period to the present, with emphasis on the nineteenth and twentieth centuries.**Note:** HIST 331 or HIST 332 is recommended.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 537. Black Radicalism 3 Units**Description:** Modern Black Nationalists, Marxists, and Black Panthers in the U.S., and their programs, ideologies, and behaviors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 538. Sports, Human Rights, & U.S. Foreign Relations - CUE, WR 3 Units**Term Typically Offered:** Spring Odd Years**Description:** How have U.S. athletes and government officials used sports as a platform to promote human rights? What has been the relationship between U.S. athletes' efforts and human rights movements in the United States and abroad? How have members of the U.S. public foreigners responded to these efforts? On what bases have people argued that sports should or should not be a platform for discussing human rights? In this course, we will use sports as a lens to explore human rights activism and U.S. foreign relations. Through case studies, we will examine how people have defined human rights, how the U.S. government has incorporated human rights concerns in formulating its foreign policy, and how athletes and others outside of the government (non-state actors) have promoted human rights. Our readings will include foreigners' responses to, and involvement in, these debates as well.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 540. Advanced Studies in History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: Advanced study of a special topic; meets established guidelines for WR courses; writing and rewriting of papers throughout the term.

Note: Junior standing is recommended.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 542. Studies in Graeco-Roman History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: Topics to be chosen by instructor (e.g., the Ancient Historians).

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 547. Studies in Russian History - CUE, WR 3 Units

Description: Topics to be chosen by instructor (e.g., the early church, formation of the Russian state, administration, liberalism, the purges).

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 550. Studies in Ancient History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: In-depth examination of special topics in ancient history.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 551. Studies in Medieval History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: Intensive work in selected periods of medieval history (e.g., High Middle Ages, Europe in the fourteenth and fifteenth centuries).

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 555. English Medieval History, 1066 to 1500 - WR 3 Units

Description: An analysis of the political, economic, and social factors contributing to the development of the English nation from the Norman Conquest to the Wars of the Roses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 559. U.S. and the Cold War Policy - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: This course examines U.S. diplomacy during the Cold War (1945-1989).

Note: HIST 314 is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 561. U.S. and Vietnam - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: Analysis of diplomatic relations between the United States and Vietnam, concentrating on the 20th Century.

Note: HIST 314 is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 563. The Middle Eastern Wars - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: European technological superiority and Ottoman defeat. The Austrian and Ottoman wars. Balkan Wars. World War I. Turkish War of Independence.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 564. Byzantium and Islam 3 Units

Description: This course will examine the relationship between the Byzantine state and the medieval Islamic caliphates and empires. The class will begin in the 6-7th centuries and continue onwards until the fall of the Byzantine Empire in the middle of the 15th century.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 565. Women and Sexuality in the Middle East - CUE, WR 3 Units
Term Typically Offered: Occasionally Offered

Description: Investigation of the cultural landscape of the Middle East before the rise of Islam; how the mix of the new religion together with prevailing customs of Late Antiquity and tribal Arabia laid a new framework for gendered relations across the region. Topics and debates pertaining to gender roles and sexuality in the medieval and early modern periods. The changing contours of women's lives during the nineteenth and twentieth centuries and the ambiguous legacy of modernization.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 571. The Renaissance - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.
Description: The Italian urban powers; Hundred Years' War after 1415; Church and society on the eve of the Reformation; Italian and Northern humanism; invasion of Italy; early explorations.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 572. Age of the Reformation - WR 3 Units

Description: Intensive examination of causes of the Reformation, the program of the Reformers, the nature of the Roman Catholic Counter-Reformation, and the character of the sixteenth century.

Note: HIST 352 is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 577. The French Revolution and Napoleon - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: The Old Regime; influence of the Enlightenment; causes of the Revolution; courses and significance of the Revolution; emergence of Napoleon; rise and fall of the Empire.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 579. History of European Ideas: Selected Topics - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: Selected topics on thinkers in the arts and sciences from one or more generations of European thought between the age of Charlemagne and the present. Includes the influence of ideas on their immediate society as well as on European culture and history.

Note: Topics will be announced in the Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 582. Contemporary Europe 1945-Present - CUE, WR 3 Units

Description: History of Europe from the postwar era to the present.

Note: Approved for the Arts and Sciences upper-level requirement in written communication.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 583. Women in the Twentieth Century in Europe and the U.S. - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: The history of women in Western society, including Europe and the U.S. in the twentieth century. Includes political, economic, social, and cultural developments.

Note: Junior standing is recommended.

Note: Cross-listed with WGST 531.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for HIST 583/WGST 531 and WGST 631.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 584. Women in East Asian History 3 Units

Description: The history of women in China from ancient times to the twentieth century, with comparisons to women's experiences in Japan, Korea, and Vietnam.

Note: Cross-listed with WGST 584.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 587. The Russian Revolutions - WR 3 Units

Description: Intensive examination of the Russian revolutions of 1905 and 1917, their chronology, their causes, historiographical issues.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 588. Feminism in Western Civilization, 1790-1920 - WR 3 Units

Description: Comparative analysis of feminist movements in United States, Britain, and Europe, stressing intellectual background, social composition, goals, and political strategies.

Note: Junior standing is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for HIST 588 or WGST 530 and WGST 630.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 589. History of American Sexualities - WR 3 Units

Description: Focuses on sexual behaviors and meanings in America from the Colonial period to the late twentieth century, and how sexual meanings impact on people's identities, choices, and social positions. Also concerns the interaction of gender, race, and class.

Note: HIST 211 and HIST 212 is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for this course and WGST 532.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 590. Studies in African History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: Intensive study of a particular topic chosen by the instructor (e.g., slavery and the slave trade, traditional kingdoms).

Note: Cross-listed with PAS 590.

Note: Junior standing and completion of 9 hours of HIST and/or PAS are recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 591. Civilizations of Ancient and Medieval India - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An introduction to the civilizations of the Indian subcontinent until the eighteenth century. It covers history, interpretive studies and selected literary, religious, and philosophical works, and visual arts.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 592. Civilizations of Modern India - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: An introduction to the civilizations of the Indian subcontinent since the eighteenth century. It covers history, interpretive studies and selected literary, religious and philosophical works, and visual arts.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 593. American Image of the Middle East - CUE 3 Units

Prerequisite(s): 60 credit hours completed.

Description: Formation of the American image of Islam and the Middle East. European tradition of prejudice. Effect of religious traditions on U.S. mythologies.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 594. Studies in Middle Eastern History - WR 3 Units

Description: Selected topics in Middle Eastern history and societies.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 595. Principles of Cultural History - WR 3 Units

Description: The study of major systematic views of the development of Western culture.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be received for this course and HUM 595.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 596. History of the Future - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: A conceptual approach that presents the premise that the history of the future is, in reality, the history of the present and the past.

Note: Junior standing is recommended.

Note: Approved for Arts & Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 597. Introduction to Public History 3 Units

Description: Introduction to nature, history, and methods of public history. Emphasis on relationship of historical scholarship to nonacademic applications.

Note: Faculty consent is recommended.

Note: This course is cross-listed with HIST 697 and HUM 671.

Note: Credit may not be earned for both HIST 597 and HIST 697.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 598. Nationalism and Modernity in East Asia 3 Units

Description: The creation of modern nation-states in China, Japan, and Korea from 1840 to 1945.

Note: Cross-listed with AST 598.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HIST 599. Oral History - CUE, WR 3 Units

Prerequisite(s): 60 credit hours completed.

Description: A study of the nature and development of oral sources in history, the creation and evaluation of them, and their application to research and teaching.

Note: Faculty consent is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Honors (HON)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>HON 101. Honors Modes of Inquiry 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Permission of the Director of the University Honors Program. Description: An introduction to modes of inquiry in the Humanities, Natural Sciences, and Social Sciences. Satisfies the requirement for GEN 101. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 202. Windows on the World 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program and of the Overseers Scholars Program are required for registration. Description: Directed readings and discussion of local, national and global events from the perspective of the liberal arts and sciences, with emphasis on critical analysis and self-presentation in discussion and interview formats. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 150. Honors Learning Community 9 Units Term Typically Offered: Fall Only Description: Honors Learning Community For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 211. Topics in Arts and Oral Communication 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of the Director of the University Honors Program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 190. Grawemeyer Scholars Seminar 1 Unit Description: This course is restricted to first-year Grawemeyer Scholars. It provides participants with practical information, campus resources, and requirements necessary to succeed as Grawemeyer Scholars. Meetings may include: faculty directors of the Grawemeyer Awards, Vice President for Research and Innovation, Director of Graduate Scholarships, Associate Director for Study Abroad, and other campus resources. Course will also include a handful of field trips into the community to meet with leaders of civic, cultural, educational, and community service organizations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 212. Topics in History and Oral Communication 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of the Director of the University Honors Program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 201. Brown Fellows Seminar 1 Unit Term Typically Offered: Spring Only Description: This course is restricted to students in the Brown Fellows Program. Students will enroll in the course a total of three times during their undergraduate careers, registering for a different section number (01, 02, 03) each time, for a total of three credit hours. Coursework will consist of readings and discussions to prepare students for and reflect on various aspects of the Brown Fellows program, including leadership training and local service; group international study; independent enrichment projects; and group travel throughout the state of Kentucky. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 213. Topics in Humanities and Oral Communication 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of the Director of the University Honors Program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>HON 214. Topics in Social Sciences and Oral Communication - OC, SB 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: This course satisfies Cardinal Core learning outcomes for Social Sciences and Oral Communication. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>HON 215. Topics in Arts and Written Communication 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of the Director of the University Honors Program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>HON 216. Topics in History and Written Communication 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of the Director of the University Honors Program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

- HON 217. Topics in Humanities and Written Communication** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): Permission of the Director of the University Honors Program.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 218. Topics in Social Sciences and Written Communication** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of the Director of the University Honors Program.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 219. Topics in Mathematics and Written Communication** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Using structured problem solving strategies to solve authentic real world problems, with emphasis on writing clear, comprehensible solutions; researching and writing about topics related to diverse problem solving strategies.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 320. Research Colloquium in Humanities** 3 Units
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: A theme-based course offering opportunity for research in the Humanities.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 321. Research Colloquium in Natural Sciences** 3 Units
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: A theme-based course offering opportunity for research in the Natural Sciences.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 322. Research Colloquium in Social Sciences** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: A theme-based course offering opportunity for research in the Social Sciences.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 331. Honors Seminar in Humanities** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Humanities. Topics vary.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 336. Honors Seminar in Humanities - WR** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Humanities. Topics vary.
Note: Approved for the Arts and Sciences upper-level requirements in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 341. Honors Seminar in Social Sciences** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Social Sciences. Topics vary.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 346. Honors Seminar in Social Sciences - WR** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Social Sciences. Topics vary.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 351. Honors Seminar in Natural Sciences** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Natural Sciences. Topics vary.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- HON 356. Honors Seminar in Natural Sciences - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of the Director of the University Honors Program.
Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Natural Sciences. Topics vary.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HON 399. Overseers International Seminar 1 Unit Grading Basis: Pass/Fail Prerequisite(s): Permission of Honors Director and concurrent enrollment in correlated Honors Scholars Seminar. Description: Travel outside the United States for first-hand study of the culture(s) examined in the related Honors Scholars Seminar. (Students accepted to course will be awarded partial scholarships.) For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 436. Honors Seminar in Humanities (WR) - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Humanities. Topics vary. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 410. Capstone Senior Seminar in Humanities 3 Units Prerequisite(s): Permission of the Director of the University Honors Program. Description: Multidisciplinary approaches to knowledge, using students' senior research projects in Humanities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 441. Honors Seminar in Social Sciences 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Social Sciences. Topics vary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 411. Capstone Senior Seminar in Natural Sciences 3 Units Prerequisite(s): Permission of the Director of the University Honors Program. Description: Multidisciplinary approaches to knowledge, using students' senior research projects in the Natural Sciences. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 446. Honors Seminar in Social Sciences (WR) - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Social Sciences. Topics vary. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 412. Capstone Senior Seminar in Social Sciences 3 Units Prerequisite(s): Permission of the Director of the University Honors Program. Description: Multidisciplinary approaches to knowledge, using students' senior research projects in the Social Sciences. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 451. Honors Seminar in Natural Sciences 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Natural Sciences. Topics vary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 420. Honors Thesis - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Senior Standing. Description: An intensive examination of a topical area, undertaken with a designated faculty advisor. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: Honors Thesis hours may be counted for either Honors credit or departmental credit, not both. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HON 456. Honors Seminar in Natural Sciences (WR) - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Natural Sciences. Topics vary. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HON 431. Honors Seminar in Humanities 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of the Director of the University Honors Program. Description: Interdisciplinary Honors seminar which may apply to an upper-level divisional or college requirement in Humanities. Topics vary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

Humanities (HUM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

HUM 101. World Literature to 1700 - AH, D2 3 Units

Term Typically Offered: Fall, Spring

Description: An introduction to critical thinking about world culture through selected readings in major literary forms from ancient times to 1700.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 102. World Literature After 1700 - AH, D2 3 Units

Term Typically Offered: Fall, Spring

Description: An introduction to critical thinking about world culture through selected readings in major literary forms since 1700.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 105. Introduction to Comparative Humanities - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: This course is an introduction to Comparative Humanities offering an array of Humanities disciplines and creating genres through global and diverse cultures.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 151. Creativity and the Arts - AH 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the fundamental vocabulary, principles, analytical processes, and styles of the creative arts (painting, sculpture, architecture, and the printed image) with an emphasis on the performing arts (theatre, dance, music, film, and television). The course will include a variety of individual and group activities focused on creativity and performance in the classroom and in the community.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 152. Cultures of America - AH, D1 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Interdisciplinary study of the arts and humanities in contemporary American culture emphasizing the convergence of European, African, Hispanic, Asian, and indigenous cultures as well as the distinguishing characteristics of each culture as revealed in three of the following areas: fine arts, drama, literature, philosophy, religion, and popular entertainment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 216. Introduction to World Religions - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The study of the principal world religions (Judaism, Christianity, Islam, Hinduism, Buddhism and indigenous traditions) in their cultural contexts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 217. Introduction to Indigenous Religions of Africa, Americas and the Pacific Basin 3 Units

Term Typically Offered: Occasionally Offered

Description: An introduction to the religious beliefs and practices of selected indigenous communities in Africa, the Americas and the Pacific Basin.

Note: Cross-listed with PAS 217.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 218. Introduction to Eastern Religious Traditions - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: A survey of the history, beliefs and sacred literatures of the religions of South and East Asia from the perspectives of the humanities and the history of religions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 219. Introduction to Western World Religions - AH, D2 3 Units

Term Typically Offered: Fall Only

Description: A comparative introduction to western world religions, Judaism, Christianity, and Islam, through a systematic survey of history, scripture and interpretation, doctrine, practice and aspects of religious material and literary culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 224. Introduction to Film - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the fundamentals of film form and film content, including narrative, mise-en-scene, cinematography, editing, genre, acting, and sound, with emphasis on relationships between these elements and diverse cultural contexts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HUM 300. Ancient Near Eastern Cultures</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Interdisciplinary study of the ancient Near East (Egypt, Mesopotamia, Syria-Palestine) through the fourth century B.C.E., with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 306. Survey of Islamic Thought, Religion and Culture</p> <p>Term Typically Offered: Spring Odd Years</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: An overview of Islamic religious, cultural, political, and social experience through the centuries. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 301. Ancient Greek and Roman Cultures</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Interdisciplinary study of ancient Greece and Rome with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 307. East Asian Cultures - AH, D2</p> <p>Term Typically Offered: Fall, Summer</p> <p>Description: A survey of literature, arts and thought in China and Japan in their historical context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 302. Medieval Culture</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Interdisciplinary study of the Middle Ages with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 308. Studies of Religion - AH</p> <p>Term Typically Offered: Fall, Spring</p> <p>Description: The interdisciplinary study of religion as a cultural phenomenon, with emphasis on individual, social, mythic, literary and textual manifestations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 303. Renaissance Cultures</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Interdisciplinary study of the Italian Renaissance, the Northern Renaissance, and of consequent traditions, with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 309. Survey of Jewish Thought and Culture</p> <p>Term Typically Offered: Fall Only</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: An overview of Jewish religious, cultural, social, and political experience through the centuries in the light of current interpretation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 304. Culture of the Modern Period</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Interdisciplinary study of the Modern Period, from the Enlightenment to the present, with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 310. Religion and Culture</p> <p>Term Typically Offered: Fall, Spring</p> <p>Description: This course examines the intersections of religion and culture. It does not focus on religious texts; instead, its focus is on how religion plays a part in people's everyday lives as a source of meaning and order, as well as by creating a nexus of rituals, communities, spaces, and identities. It analyzes world religion (Judaism, Christianity, Islam, Buddhism and Hinduism) as well as local and indigenous religious traditions from a cultural perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 305. American Culture</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: An analysis of American thought and artistic expression since 1900. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 311. Hebrew Bible/ Old Testament</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): Sophomore standing.</p> <p>Description: Study of the outlook of the Hebrew Bible/Old Testament in relation to the cultures from which it is derived. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>HUM 312. New Testament Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Sophomore standing. Description: Study of the canonical and apocryphal books of the New Testament as an expression of the world outlook of the primitive Christian community. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 319. Survey of Christian Thought, Religion and Culture Term Typically Offered: Fall Only Prerequisite(s): Sophomore standing. Description: A historical survey of Christian religious, cultural, social, intellectual and political experience. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 313. Introduction to the Qur'an Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore Standing. Description: An introduction to Islam's most sacred text, the Qur'an, which contains the fundamental creed, rituals, ethics and laws of Islam. An examination of the historical and cultural contexts of its origin and subsequent interpretation, as well as its main themes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 320. Research and Writing in the Humanities - AH, WR Term Typically Offered: Fall, Spring, Summer Description: This course introduces students to interdisciplinary writing and research strategies in the Humanities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 314. Buddhist Scriptures Prerequisite(s): Sophomore Standing. Description: A survey of Buddhist sacred texts ranging from canonical scriptures to apocrypha and esoteric manuals selected from major Asian and/or East Asian Buddhist traditions, as an introduction to a range of Buddhist beliefs and practices that represent both established Buddhist orthodoxies and popular tradition operating at their periphery. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 321. Modern Fiction: Nineteenth Century Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore standing. Description: Study of important developments in the technique and content of fiction in selected European masterpieces, including works representative of several continental traditions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 315. Alternative Judaisms - AH, D2 Term Typically Offered: Spring Only Description: This course will explore the richness of religious diversity within Judaism past and present by focusing on what are considered "normative" and "alternative" beliefs, rituals and practices. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 322. Modern Fiction: Twentieth Century Term Typically Offered: Spring Only Prerequisite(s): Sophomore standing. Description: Study of important developments in the technique and content of fiction in selected European masterpieces, including works representative of several continental traditions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 316. Modern Islamic Thought Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore standing. Description: A study of important Islamic movements and thinkers in the Indian subcontinent, Egypt, and Turkey, in the nineteenth and twentieth centuries. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 323. Modern Drama Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore standing. Description: Study of major movements and dramatists from Ibsen to the present. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 317. Modern Jewish Thought Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: Creative and discursive writers representing nineteenth- and twentieth-century thought on theology, religion, culture, and society. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 324. Approaches to Film Interpretation Term Typically Offered: Fall Only Prerequisite(s): Sophomore standing. Description: An in-depth study of the structural, thematic, and historical elements of film as an art form, providing a range of approaches to interpreting films in cultural contexts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>HUM 318. Survey of Islamic Thought, Religion and Culture Term Typically Offered: Fall Only Prerequisite(s): Sophomore standing. Description: A historical survey of Islamic religious, cultural, social, intellectual and political experience. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>HUM 325. Survey of Film and Culture Term Typically Offered: Spring Only Prerequisite(s): Sophomore standing. Description: A study of films in their cultural and historical contexts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>HUM 326. Studies in Film and Culture 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore standing. Description: A study of a specific group of films in relation to their specific cultural and historical contexts. Note: May be repeated up to three times if different selections of films are studied.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 340. Women and Religion - AH, D2 3 Units Term Typically Offered: Fall Odd Years Description: An historical survey of the relationship between the social-cultural roles of women and their representation in world religion. Note: Cross-listed with WGST 340.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 331. Humanities and Gender - AH, D2 3 Units Term Typically Offered: Fall, Spring, Summer Description: Analysis of sex roles as embodied in classic works in philosophy, literature, history, drama, and art in ancient, medieval, modern, and contemporary times. Note: Cross-listed with WGST 303.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 341. South Asian Religious Thought and Culture - AH, D2 3 Units Term Typically Offered: Occasionally Offered Description: Study of Hinduism, Jainism, Buddhism, and Sikhism and their interrelationship with the cultures of South Asia (India, Sri Lanka, and Pakistan). Note: Cross-listed with AST 340.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 335. Modern Christian Thought 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: An introduction to Christian thought and issues through a study of the writings of modern Christian thinkers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 342. Eastern Mysticism 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore standing. Description: An overview of eastern mysticism through a close reading of significant primary texts from Hindu, Buddhist, Muslim and Daoist mystical traditions in the light of perennial and contextual theoretical frameworks and current critical scholarships. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 336. Indigenous Religions of the Americas 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Sophomore Standing. Description: A survey of the universal aspects of Native American religions, cosmologies and practices from prior to European contact until the present day. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 343. East Asian Religious Thought and Culture - AH, D2 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: Study of the Confucian, Taoist, Buddhist, and Shinto and their interrelationships with the cultures of China, Korea, and Japan. Note: Cross-listed with AST 343.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 338. Greek Mythology 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Sophomore standing. Description: Mythology of Greek gods and goddesses through the study of ancient texts, major sites of worship, and ancient representations of these deities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 344. Religion in the United States 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Sophomore standing. Description: The varieties of religious experience in the United States: native traditions, manifestations and adaptations of Christianity, and other religions practiced in the United States. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 339. Studies in World Mythology - AH, D2 3 Units Term Typically Offered: Occasionally Offered Description: Comparison and contrast of different mythic systems. Emphasis on myth as response to the demands of specific cultural experiences. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 349. African Americans & Islam 3 Units Term Typically Offered: Spring Only Description: This course explores the complex relationship between African Americans and Islam. It begins with a discussion of Islam in Africa prior to and during slavery, the early 20th century communities, rise of the Nation of Islam, orthodox Islam, and the influence of Islam on nationalism and artists. Note: Cross-listed with PAS 349.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HUM 350. The Literary Fairy Tale - AH **3 Units**
Term Typically Offered: Fall, Spring
Description: An investigation of the literary fairy tale from the Renaissance to the twentieth century.
Note: Cross-listed with M L 350.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 351. Survey of African Religion and Culture **3 Units**
Term Typically Offered: Fall Only
Description: This course discusses various African understandings of religion by examining specific traditions, beliefs, and practices from Ancient Egyptians, Yoruba, Dogon, and Dagara, among others. Christianity and Islam are discussed as unique parts of the African religious experience. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 354. Masterpieces of Ancient Greece - WR **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 355. Masterpieces of Ancient Rome - WR **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 356. Masterpieces of the Middle Ages - WR **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 357. Masterpieces of the Renaissance - WR **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 358. Masterpieces of the 17th & 18th Centuries - WR **3 Units**
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 359. Masterpieces of the 19th & 20th Centuries - WR **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Sophomore standing.
Description: Close study of selected great works in their cultural context.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 361. Selected Topics **1-3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Sophomore standing.
Description: Content to be indicated in Schedule of Courses.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 362. Selected Topics **1-3 Units**
Term Typically Offered: Spring, Summer
Prerequisite(s): Sophomore standing.
Description: Content to be indicated in Schedule of Courses.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 363. Special Topics - WR **3 Units**
Term Typically Offered: Occasionally Offered
Description: Content to be indicated in Schedule of Courses.
Note: May be repeated when topics vary.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 365. Theories of Music **3 Units**
Prerequisite(s): Sophomore standing.
Description: An examination of theoretical problems arising from the composition, performance, and hearing of music, such as musical meaning and the relation of music to the emotions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HUM 366. Theories of Literature - WR 3 Units Prerequisite(s): Sophomore standing. Description: An examination of theoretical problems arising from the authoring, interpretation, and evaluation of literary texts, such as authorial intention and the nature of fiction. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 378. The African-American Experience 3 Units Term Typically Offered: Fall, Spring, Summer Description: An examination of the African-American experience as depicted in literary and artistic genres. Note: Cross-listed with PAS 378.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 367. Theories of the Visual Arts 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: An examination of theoretical problems arising from the creation and understanding of visual works of art, such as representation, functionalism, and style. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 380. Culture of Iberia-Latin America 3 Units Prerequisite(s): Sophomore standing. Description: Interdisciplinary study of Iberia-Latin America, with emphasis on the distinctive characteristics of the arts, literature, and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 368. Theories of the Theatre 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: An examination of theoretical problems arising from rehearsal and performance of dramatic texts, such as the relation of interpretation to meaning and emotion to acting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 381. Russian Culture 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: Cultural trends in Russia through music, fine arts, literature, theatre and film. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 369. Asian Theatre 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore Standing. Description: An examination of the theatre forms of East Asian culture and aesthetics with particular emphasis on those forms that have proved influential on the Western theatre of the 20th century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 382. Native American Cultures 3 Units Prerequisite(s): Sophomore standing. Description: Interdisciplinary study of native cultures of the Americas with an emphasis on art, dance, literature (oral and written) and religion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 376. Studies in American Culture 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Sophomore standing. Description: Interdisciplinary analysis of an important theme, problem, or a selected period considered in the full perspective of American culture. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 383. The Mediterranean and Culture 3 Units Description: Examines how cultural practices in the Mediterranean area vary and interact. Considers different meanings assigned to "the Mediterranean" according to place and period. Note: Cross-listed with ANTH 383.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 377. African-American Religion - AH, D1 3 Units Term Typically Offered: Fall Only Description: This course explores various religious beliefs, practices, experiences, traditions and institutions of African descended people in the United States. Students will be introduced to a range of African-American religious traditions and a variety of perspectives within African-American religious thought. These traditions and their respective beliefs and practices will be situated within their proper historical, social and cultural contexts. Note: Cross-listed with PAS 317.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 384. Cultures of Modern Africa 3 Units Prerequisite(s): Sophomore standing. Description: Interdisciplinary study of representative modern African cultures, since the fifteenth century, especially under European colonialism and since independence, with emphasis on the distinctive characteristics of the arts, literature (oral and written), and religious and philosophical thought in their cultural context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HUM 387. The Holocaust, Genocide, and Global Imagination - D2, SBH 3 Units

Term Typically Offered: Occasionally Offered

Description: A study of the historical events, with analysis and evaluation of the impact of the Holocaust and other modern global genocides on humanistic thought and imagination.

Note: Cross-listed with HIST 387.

Note: Credit may not be received for this course and HIST 387.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 395. Environment, Urbanism, and Architecture 3 Units

Term Typically Offered: Fall Odd Years

Prerequisite(s): Sophomore Standing.

Description: A study of the visual shaping of the environment, the history of cities and architecture, within changing cultural contexts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 400. Honors Seminar in Humanities 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Admission to Divisional Honors Program.

Description: Seminar devoted to the intensive investigation of a major substantive or theoretical area within the Humanities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 500. Honors Thesis in Humanities - WR 3 Units

Prerequisite(s): Junior standing; admission to Divisional Honors Program.

Description: An intensive examination of a topical area in Humanities undertaken with a designated faculty director.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 501. Independent Study 1-3 Units

Prerequisite(s): Minimum grade-point average of 3.0 overall; minimum grade point average of 3.5 in the department; at least 18 hours credit in the department; consent of Division chair.

Description: Individualized study under the supervision of a sponsoring faculty member that is related to research or practice that is not included in regular courses in the curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 502. Independent Study 1-3 Units

Prerequisite(s): Minimum grade-point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 hours credit in the department.

Description: Consent of Division chair.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 505. Humanities Study Abroad - WR 3-6 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Participation in the University of Louisville study abroad program or a program approved by the Department of Comparative Humanities.

Description: Credit awarded upon demonstration of successful completion of program, including a paper or project and an oral or written examination administered under the supervision of a faculty member.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 509. Interdisciplinary Approaches: Arts and Humanities - CUE, WR 3 Units

Prerequisite(s): Junior standing; majors only.

Description: Methods and theories in interdisciplinary thinking and research, emphasizing 1) the interrelationships of the disciplines, 2) the importance of synthesizing art, theatre, literature, music, philosophy, and religion in a cultural context, and 3) the critical examination of issues arising from fields outside the Humanities that have significant impact on and synergy with the Humanities.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both HUM 509 and HUM 609.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 510. Methods and Theories in the Study of Religion - CUE, WR 3 Units

Prerequisite(s): Completion of 90 hours and permission of instructor..

Description: A survey of major theories and methodologies in the academic study of religion from a historical perspective.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both HUM 510 and HUM 610.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 511. Topics in the Interpretation of Sacred Texts 3 Units

Prerequisite(s): Junior standing.

Description: Study in depth of sacred texts and commentaries selected from the major religions of the world: Hebrew Bible, New Testament, Qur'an, Vedas, Bhagavad Gita, and Buddhist sutras.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>HUM 512. Topics in Contemporary Religious Thought 3 Units Prerequisite(s): Junior standing. Description: In-depth study of selected contemporary writers from major world religions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 524. Special Topics in Film Study 3 Units Prerequisite(s): Junior standing. Description: An in-depth study on a specific topic to be announced in the Schedule of Courses. Note: May be repeated up to three times for different topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 513. Topics in Comparative Religions 3 Units Prerequisite(s): Junior standing. Description: A critical study of similarities and differences in ideas and attitudes toward significant themes in world religions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 550. Internship in Arts and Humanities 3 Units Prerequisite(s): Consent of chair of Humanities or undergraduate advisor. Description: An individually arranged internship that combines volunteer work experience with an Arts or Humanities organization or agency with a related academic project. Note: Course cannot be repeated for academic credit toward the degree. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 514. Perspectives on Religious Coexistence and Conflict 3 Units Prerequisite(s): Junior standing. Description: Through interdisciplinary methodological and theoretical frames of analysis, exemplary cases of global, historical interreligious encounters will be explored. Note: Credit may not be earned for both HUM 514 and HUM 614. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 555. Independent Reading 2-3 Units Prerequisite(s): Honors standing, junior standing, consent of division chair. Description: Readings in cultural history; oral and written reports. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 515. Topics in Gender and the Humanities 3 Units Prerequisite(s): Junior Standing. Description: Specialized topics in Gender and the Humanities will be explored through advanced, interdisciplinary methodological and/or theoretical frames. Note: Credit may not be earned for both HUM 515 and HUM 615. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 561. Selected Topics 3 Units Prerequisite(s): Junior standing. Description: Content to be indicated in the Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 516. Topics in the Histories of Religion 3 Units Prerequisite(s): Junior Standing. Description: Advanced study of selected histories of individual religious traditions and/or interaction between religious traditions in different historical contexts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 562. Selected Topics 3 Units Prerequisite(s): Junior standing. Description: Content to be indicated in the Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 518. Arabs & Jews in Israeli & Palestinian Literature & Cinema 3 Units Prerequisite(s): ENGL 101 and ENGL 102. Description: Students explore the nexus of Israeli and Palestinian literature and history from the 1948 war to the present, exploring issues of empathy with the other, the commemoration of personal and collective trauma and dispossession, and the construction of peoplehood and national identity. Note: Cross-listed with HUM 618. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 581. Dante 3 Units Prerequisite(s): Junior standing. Description: Study of Dante's life and major works, and the social, political, and cultural milieu which affected his literary career. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>HUM 591. Perspectives on Ancient Culture - WR 3 Units Prerequisite(s): Completion of 75 undergraduate hours. Description: Interdisciplinary study of fundamental aspects of ancient culture by means of individual readings and critical writing projects. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>HUM 591. Perspectives on Ancient Culture - WR 3 Units Prerequisite(s): Completion of 75 undergraduate hours. Description: Interdisciplinary study of fundamental aspects of ancient culture by means of individual readings and critical writing projects. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

HUM 592. Perspectives on Medieval Culture - WR 3 Units

Prerequisite(s): Completion of 75 undergraduate hours.

Description: Interdisciplinary study of fundamental aspects of medieval culture by means of individual readings and critical writing projects.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 593. Perspectives on Early Modern Culture - WR 3 Units

Prerequisite(s): Completion of 75 undergraduate hours.

Description: Interdisciplinary study of fundamental aspects of early modern culture (seventeenth and eighteenth centuries) by means of individual readings and critical writing projects.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 594. Perspectives on Modern Culture - WR 3 Units

Prerequisite(s): Completion of 75 undergraduate hours.

Description: Interdisciplinary study of fundamental aspects of culture in the nineteenth and twentieth centuries by means of individual readings and critical writing projects.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 595. Principles of Cultural History - WR 3 Units

Prerequisite(s): Completion of 75 undergraduate hours.

Description: The study of major systematic views of the development on Western culture.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be received for this course and HIST 595.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

HUM 596. Selected Perspectives in Humanities - WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Completion of 75 undergraduate hours.

Description: Interdisciplinary topics to be announced in the Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Industrial Engineering (IE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

IE 240. Fundamentals of Industrial Engineering 3 Units

Term Typically Offered: Fall Only

Description: An introduction to the analysis and design of industrial systems; emphasis upon appropriate analytical and computer-based techniques and their applications to industrial systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 250. Data Management and Spreadsheet Modelings for Industrial Engineering 3 Units

Term Typically Offered: Fall Only

Description: This course will develop analytical and modeling skills using Excel spreadsheets. Students will develop skills needed to analyze data in Excel and to build mathematical models in Excel.

The course is divided into two parts. The first part is devoted to data analysis and management. Students will learn a comprehensive set of spreadsheet skills and tools, including how to design, build, test, and use a spreadsheet for data analysis. The second part of the course provides and introduction to the concepts and methods of Decision Science, which involves the application of mathematical modeling and analysis to management problems, with a focus on optimization models. It also provides a foundation in modeling with spreadsheets.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 288. Industrial Engineering Cooperative Education Seminar 0 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Eligibility for admission to the IE Department.

Description: Discussion of the policies and procedures for cooperative education and instruction in self-directed job search techniques, including interviewing skills, resume preparation, and guidelines for the co-op report. This is a prerequisite for each cooperative education term.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>IE 289. Industrial Engineering Cooperative Education I 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): IE 288, admission to academic department, and good standing within Speed School. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 389. Industrial Engineering Cooperative Education II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): IE 289. Description: Full-time work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 320. Manufacturing Processes 4 Units Term Typically Offered: Spring Only Prerequisite(s): CHE 253. Description: Principles of materials processing used in manufacturing; casting, forming, machining, welding, and related techniques such as numerical and computer control. Laboratory includes plant visits. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 393. Independent Study in Industrial Engineering 1-6 Units Term Typically Offered: Fall, Spring, Summer For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 360. Probability and Statistics for Engineers 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 102. Description: Engineering applications using probability, random variables, distribution functions, confidence intervals, estimation and hypothesis testing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 421. Facility Location and Layout 3 Units Term Typically Offered: Fall Only Prerequisite(s): IE 240. Description: Design and layout of industrial facilities, facility location, space requirements, flow charts, relationship diagrams, material handling, quantitative layout techniques, production line balancing, and computer programs for layout planning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 370. Engineering Economic Analysis 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ENGR 101. Description: Methods for economic evaluation of engineering projects including, time value of money, equivalence, cost estimation, selection of alternatives, effects of depreciation, taxes and inflation, replacement analysis, sensitivity analysis, capital budgeting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 425. Production and Inventory Control 3 Units Term Typically Offered: Spring Only Prerequisite(s): IE 360 and IE 240. Description: Topics include the context of inventory management and production planning decisions, economic order quantities, heuristics and models for probabilistic and time-varying demand patterns, coordinated replenishment systems, and aggregate planning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 380. Work Design 3 Units Term Typically Offered: Fall Only Description: Work measurement as a basis for the industrial engineering profession. Engineering principles of work measurement, analysis and design. Methods engineering and time study. Predetermined motion time systems. Work sampling and standards. Computerized work measurement systems: ADAM and MOST. Job design and standardization of production. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 430. Quality Control 3 Units Term Typically Offered: Spring Only Prerequisite(s): IE 360 and IE 240. Description: Developing an effective total quality control (TQC) system: integrating the quality development, maintenance, and improvement efforts of an organization; control charts, process capability, value engineering, product liability prevention, and computer control. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>IE 489. Industrial Engineering Cooperative Education III 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): IE 288 and IE 389. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 525. Project Management 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Admission in IE or EM program or instructor permission. Description: Use of CPM, PERT, precedence diagramming, resource allocation heuristics, and other techniques for planning, managing, and controlling engineering projects involving research and development, production, maintenance, and construction. Computer procedures and codes for analyzing complex project networks will be covered. Note: Cross-listed with EM 525.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 499. IE Capstone Design - CUE 3 Units Term Typically Offered: Spring Only Prerequisite(s): IE 380, IE 421, IE 425, and IE 430. Description: This course requires the solution of a real-world design problem in industrial engineering. It uses the design and analysis tools learned in previous coursework and emphasizes teamwork, documentation and presentation skills. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 540. Robots and Manufacturing Automation 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): IE 360. Description: Computer aided manufacturing; robot programming, implementation, application, and computer control; research trends; social impacts.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 515. Operations Research Methods 3 Units Term Typically Offered: Fall Only Prerequisite(s): ENGR 330. Description: Formulation and solution of basic models in operations research. Topics to be covered include applications of linear, integer and nonlinear programming; transportation and assignment problems, and network flows models.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 541. Simulation 3 Units Term Typically Offered: Fall Only Prerequisite(s): IE 240, IE 250, and IE 360. Description: The use of discrete event simulation to analyze systems. Topics include Monte Carlo techniques, sampling from and identifying stochastic distributions, estimating performance measures from simulation outputs, validation methods, and SIMIO simulation language.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>IE 516. Stochastic Operations Research 3 Units Term Typically Offered: Spring Only Prerequisite(s): IE 360 or equivalent. Description: A selection of the probabilistic topics of operations research are included: queuing, renewal and Markov processes, simulation, decision analysis.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>IE 561. Developing Decision Support Systems with Excel 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): IE 250. Description: This course teaches the fundamentals of computer programming using Excel's macro language, Visual Basic for Applications (VBA), as the language of instruction. The course starts by teaching students to simplify and extend code generated by Excel's macro recorder and then builds on that base toward developing applications that analyze information and enhance decision making. This course also provides an introduction to the concepts and methods of Decision Science, which involves the application of mathematical modeling and analysis to management problems. It also provides a foundation for modeling with VBA in Excel.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

IE 563. Experimental Design in Engineering **3 Units****Term Typically Offered:** Spring, Summer**Prerequisite(s):** IE 360.

Description: Design of engineering experiments and projects using theory of least squares, analysis of variance, randomized blocks, factorial experiments, nested designs, split plot designs and logistic regression techniques. Covers a combination of analysis by hand and using Minitab statistical software.

Note: Cross-listed with CECS 563.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 580. Introduction to Human Factors Engineering and Ergonomics**3 Units****Term Typically Offered:** Fall Only

Description: The main goal of this course is to introduce students to the study of human cognitive and physical abilities and limitations, and application of that knowledge to engineering design. This course will demonstrate how the application of the human factors and ergonomics principles can improve the design of systems involving the interaction of humans with tools, technology, and the work environment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 581. Advanced Topics in Human Factors Engineering **3 Units****Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** IE 580.

Description: The main goal of this course is to learn and apply advanced methods in human factors engineering, as well as newer models, theories, and frameworks related to the field.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 585. Usability Engineering **3 Units****Term Typically Offered:** Spring Only

Description: This course exposes students to the constructs of usability, usefulness, user-centered design, and user-experience (UX) and their relation to engineering design. The course covers an interactive evaluation-centered user experience (UX) lifecycle as a template intended to be instantiated in many different ways to match the constraints of a particular development project. The UX lifecycle, sketching, conceptual design, and formative UX evaluation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

IE 590. Special Topics in Industrial Engineering **1-6 Units****Term Typically Offered:** Fall, Spring, Summer

Description: A theoretical and/or experimental investigation of an industrial engineering design topic.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ITP 104. Special Education Introduction **3 Units**

Description: Complete overview of major categories of exceptionalities and special education. Observations of special education services.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITP 115. Heritage & Culture of the Deaf - D1, SB **3 Units****Term Typically Offered:** Fall Only

Description: This course provides students with an overview of the psychological, sociological, and cultural impacts of deafness upon children and adults. Learners will explore how deafness can affect an individual's linguistic and cognitive development, psychological-emotional growth, access to communication, and life opportunities. The course also examines historical relations between Deaf and hearing people and compares Deaf culture to that of the hearing community.

Note: This course is required for admission into the American Sign Language Interpreting Studies BS Program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITP 210. Application of Fingerspelling and Number Systems **3 Units****Term Typically Offered:** Spring Only

Prerequisite(s): ASL 201 with a minimum grade of C or permission of instructor.

Description: The course will focus on aspects of receptive and expressive fingerspelling usage, including lexicalized fingerspelling and various numbering systems within ASL. Clinical hours required.

Note: Formerly ITP 315.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Interpreter Training (ITP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

- ITP 215. Professional Ethics and Issues in Interpreting** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ASL 201 and ITP 115, both with a minimum grade of C or permission of instructor.
Description: Terminology, procedures and ethical/professional considerations relevant to interpreting/transliterating. Topics include the Registry of Interpreters for the Deaf Code of Professional conduct application, structuring the interpreting environment, communication assessment, human relations skills, historical developments, and current trends.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 220. Processing Skills for Interpreters** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): ASL 201 or ASL 205.
Description: This course uses a process-oriented approach for applying the essential cognitive strategies to interpretation. These strategies include readily retrieving lexical items, organizing and manipulating visual images, analyzing message for meaning, and self-monitoring for message accuracy. The course serves as a transition from language learning to simultaneous manipulation of ASL and English for the purpose of interpreting and transliterating. Clinical hours required.
Note: Admittance to the ASLIS major depends on a passing score on the screening exam at the end of this course.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 225. Introduction to Interpreting** 3 Units
Term Typically Offered: Spring Only
Description: The course is designed to offer a framework for understanding the field of interpreting, including: the role of the interpreter in various settings, the interpreting process, physical factors, language variations, and the Code of Professional Conduct, as well as current trends in the interpreting field.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 230. Language and Interpreting Studies** 3 Units
Term Typically Offered: Occasionally Offered
Description: The practical and theoretical applications of interpreting are discussed to develop sign language interpreting skill-sats. Methods for creating interpretations to ASL and to English are demonstrated. Approaches for evaluating interpretations are included. Students will work in small groups and individually to prepare interpretations.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 310. Multiculturalism and Interpreting** 2 Units
Term Typically Offered: Fall Only
Description: Through common settings where interpreters work, the notions of oppression, activism, advocacy, and image will be explored. The focus will be on specific vocabulary and interpreting content and issues related to social justice such as gender, sexual orientation, race, religion, ability, and class.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 313. Special Topics in Interpreting** 1-3 Units
Prerequisite(s): Permission of instructor.
Description: Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of six hours if subject matter is different each time.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 320. English to ASL Interpreting I** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ASL 202, ITP 115, ITP 215, and ITP 220, all with a minimum grade of C, or permission of instructor; admission in the ITP program.
Description: Development of English to ASL interpreting skills progressing from consecutive to simultaneous interpreting in a variety of settings. Clinical hours required.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 325. ASL to English Interpreting I** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ASL 202, ITP 115, ITP 215, and ITP 220, all with a minimum grade of C or permission of instructor; admission in the ITP program.
Description: Development of ASL to English interpreting/transliterating skills progressing from consecutive to simultaneous interpreting/transliterating in a variety of settings. Clinical hours required.
Note: Formerly ITP 230.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 337. Education of the Deaf and Hard of Hearing** 3 Units
Term Typically Offered: Spring Only
Description: Study of personality, intellectual, and emotional development of deaf and hard of hearing people. Emphasis on social maturity, motor functioning, multiple disabilities and the significant history of educational programs at all levels.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 350. Historical Perspectives on the Deaf Community - WR** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ENGL 102.
Description: The course primarily examines the deaf community and its historical events. The course is organized to focus on the historical, sociopolitical, sociolinguistic and psychosocial forces that influence deaf people's experience in both the United States and other countries.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- ITP 370. Interpreting in Specialized Settings I** **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): Admission to ASLIS major and good standing in the program.
Description: This course provides an overview of a variety of interpreted settings such as: medical, educational, community-based, VRS, platform, etc. Students will identify features that occur with in various settings utilizing different theoretical frameworks, including the 11Ps and Demand-Control Schema. In addition to setting analysis and discussion of key features, students will learn and apply specialized vocabulary and concepts for each setting through interpreted assignments and role-playing situations.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 390. Linguistics and American Sign Language I** **3 Units**
Term Typically Offered: Spring Only
Corequisite(s): ASL 201 or ASL 205.
Description: Overview of linguistics: phonology; morphology and language change in a variety of languages and American Sign Language. Analysis of ASL and spoken languages. Clinical hours required.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 420. English to ASL Interpreting II** **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): ASL 302, ITP 320, and ITP 325, all with a minimum grade of C or permission of instructor; admission to ITP program.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 425. ASL to English Interpreting II** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ASL 302, ITP 320, and ITP 325, all with a minimum grade of C or permission of instructor; admission to ITP program.
Description: Continued development of ASL to English interpreting/transliterating skills in a variety of settings. Clinical hours required.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 430. Interpreting in Specialized Settings II** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ITP 320 or equivalent; admission to ASLIS major and good standing in the program.
Description: This course will provide interpreting majors with the development of ASL skills to increase ASL/English interpreting proficiency in a variety of settings. Curriculum also focuses on the development of skills needed to identify or clarify issues regarding interpreters' decisions; to review various decision-making processes; to map roles and responsibilities; and to resolve conflicts or strategize solutions. Clinical hours required.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 440. Advanced Simultaneous Interpretation** **1 Unit**
Term Typically Offered: Occasionally Offered
Prerequisite(s): ITP 420; admission to ASLIS major and good standing in the program.
Description: ITP 440 is designed to provide advanced strategies to deal with interpretation of English to ASL. Strategies include: interactive discourse features of conversations, explanation, interviews, discussions, and other types of dialogue genres. Course topics include effort in interpretation, restructuring, coping skills, simultaneity, and repair strategies.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 470. Practicum in Interpreting I** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ITP 490; admission to ASLIS major and good standing in the program.
Description: Observation and interpreting experience under the supervision of a mentor(s) in a variety of settings. Clinical hours required.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 490. Linguistics and ASL II** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ITP 390; admission to ASLIS major and good standing in the program.
Description: Overview of syntax, discourse, and sociolinguistics. Analysis of American Sign Language and spoken English. Clinical hours required.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ITP 495. Practicum in Interpreting II - CUE** **10 Units**
Term Typically Offered: Spring Only
Prerequisite(s): ITP 490; admission to ASLIS major and good standing in program.
Description: The Practicum course is designed to expose students to their professional role through internship in the field. This practicum experience provides students the opportunity to apply and integrate knowledge acquired through coursework. In clarifying and broadening career goals, the practicum assists students in discovering, developing, and refining necessary competencies and skills for their proposed career objectives.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Italian (ITAL)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ITAL 121. Basic Italian I 4 Units

Term Typically Offered: Fall, Spring

Description: For beginners. Basic grammar with practice in hearing, speaking, reading, and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 122. Basic Italian II 4 Units

Term Typically Offered: Spring Only

Description: For beginners. Basic grammar with practice in hearing, speaking, reading, and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 123. Basic Italian III 4 Units

Term Typically Offered: Fall Only

Prerequisite(s): ITAL 122.

Description: Review of grammar. Practice of the language through oral and written exercises. Readings from representative literature or from cultural selections.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 321. Italian Conversation 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Intensive practice in oral Italian; use of background information on Italy as a point of departure; compositions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 322. Italian Composition 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): ITAL 202 or ITAL 123.

Description: Grammar and idiom review; conversation based on cultural material; compositions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 325. Literature of the Seventeenth and Eighteenth Centuries 3 Units

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Reading of important literary works with textual and cultural elucidation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 326. Literature of the Seventeenth and Eighteenth Centuries 3 Units

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Reading of important literary works with textual and cultural elucidation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 331. Italian Culture and Civilization 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: An overview of Italian culture and civilization from ancient Rome to the present, with both historical perspective and contemporary considerations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 355. Introduction to the Study of Italian Literature 3 Units

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Appreciation of Italian literary genres, with development of reading and writing skills, and acquisition of critical vocabulary.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 441. Literature of the Nineteenth and Twentieth Centuries 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Reading of important literary works with textual and cultural elucidation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 442. Literature of the Nineteenth and Twentieth Centuries 3 Units

Prerequisite(s): ITAL 202, ITAL 123, or equivalent.

Description: Reading of important literary works with textual and cultural elucidation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 451. Independent Study 1-3 Units

Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ITAL 452. Independent Study **1-3 Units**

Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Japanese Language (JAPN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

JAPN 101. Basic Japanese I **3 Units**

Term Typically Offered: Fall Only

Description: For beginners. Development of four language skills: understanding, speaking, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 102. Basic Japanese II **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): JAPN 101 or permission of instructor.

Description: For beginners. Development of four language skills: understanding, speaking, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 200. Study Abroad **1-15 Units**

Description: Participation in a University of Louisville study abroad program or another program with prior approval of the Department. Credit is awarded with proof of successful completion.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 201. Intermediate Japanese I **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): JAPN 102 or permission of instructor.

Description: Designed to strengthen language skills of speaking, understanding, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 202. Intermediate Japanese II **3 Units**

Term Typically Offered: Spring Only

Prerequisite(s): JAPN 201 or permission of instructor.

Description: Designed to strengthen language skills of speaking, understanding, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 300. Study Abroad **1-15 Units**

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 301. Advanced Japanese I **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): JAPN 202 or equivalent, or permission of instructor.

Description: Development of speaking, reading, listening and writing skills in Japanese. Intense vocabulary practice. Introduction to Japanese culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 302. Advanced Japanese II **3 Units**

Term Typically Offered: Spring Only

Prerequisite(s): JAPN 301 or equivalent; or permission of instructor.

Description: Continued development of speaking, reading, listening and writing skills in Japanese. Intense vocabulary practice. Introduction of Japanese culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 321. Japanese Conversation **3 Units**

Prerequisite(s): JAPN 202.

Description: Focus is on speaking and listening in everyday communication.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 322. Japanese Composition I **3 Units**

Prerequisite(s): JAPN 321.

Description: To increase Japanese language proficiency in writing through activities which would create new ideas, new vocabulary and grammar.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 323. Japanese Composition II **3 Units**

Prerequisite(s): JAPN 322.

Description: The focus is on writing essays using transition devices and complex sentences with a more advanced level of grammar and idiomatic expressions than Composition 1.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 331. Introduction to Japanese Culture **3 Units**

Prerequisite(s): JAPN 302 or instructor's permission.
Description: Survey of Japanese culture and society. Students will be exposed to readings and conversations about Japanese history and geography, past and contemporary cultural and societal mores, individual and collective social roles.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

JAPN 355. Reading Japanese Texts **3 Units**

Prerequisite(s): JAPN 355.
Description: Reading, writing and translation of Japanese texts.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Japanese Studies (JPST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

JPST 310. Introduction to Japanese Culture Through Film **3 Units**

Term Typically Offered: Not Offered
Description: The course will examine, through specifically selected films, social, cultural, and political aspects of contemporary Japanese society.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Justice Administration (JA)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific

fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

JA 383. Police Leadership Development **1-6 Units**

Prerequisite(s): Consent of department chair.
Description: Overview of issues related to the understanding of organization, administration, management roles, and operation of the modern law enforcement agency. A specific analysis of the law enforcement executive's role in contemporary society.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Latin (LAT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

LAT 101. Elementary Latin I **3 Units**

Term Typically Offered: Fall Only
Description: The elements of Latin.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LAT 102. Elementary Latin II **3 Units**

Term Typically Offered: Spring Only
Description: The elements of Latin.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LAT 201. Intermediate Latin I **3 Units**

Term Typically Offered: Fall Only
Prerequisite(s): LAT 102 or at least two years of high school Latin.
Description: First semester is a review of grammar with readings in Latin prose.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>LAT 202. Intermediate Latin II Term Typically Offered: Spring Only Prerequisite(s): LAT 201 or equivalent. Description: Readings in Virgil's Aeneid. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units	<p>LAT 502. Special Topics in Latin Poetry Term Typically Offered: Occasionally Offered Prerequisite(s): LAT 402 or consent of instructor. Description: In-depth translation and analysis of select Classical Latin poets and poetic works with special attention given to current scholarship and research. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units
<p>LAT 301. Selected Readings Term Typically Offered: Fall Only Prerequisite(s): LAT 202 or consent of instructor. Description: Survey of classic Latin literature. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units	<p>LAT 551. Introduction to Medieval Latin Term Typically Offered: Occasionally Offered Prerequisite(s): LAT 202 or consent of instructor. Description: An introduction to post-Classical Latin and its literature designed to assist students with a background in Classical Latin make the transition to Medieval Latin studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units
<p>LAT 302. Selected Readings II Term Typically Offered: Spring Only Prerequisite(s): LAT 202 or consent of instructor. Description: Survey of classic Latin literature. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units	<p>LAT 552. Readings in Medieval Latin Term Typically Offered: Occasionally Offered Prerequisite(s): LAT 202 or consent of instructor. Description: Topics to be indicated in Schedule of Courses. Note: May be repeated once for credit. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units
<p>LAT 303. Latin Prose Composition Term Typically Offered: Fall, Spring Prerequisite(s): LAT 202 or consent of instructor. Description: Study of Latin idiom and style; practice in translation from English to Latin. Note: May be repeated once for credit. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units	<h2 style="margin: 0;">Latin American and Latino Studies (LALS)</h2> <p>Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm).</p> <p>500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.</p>	
<p>LAT 401. Readings in Latin Prose Term Typically Offered: Fall Only Prerequisite(s): LAT 302 or consent of instructor. Description: Selections from Livy and Tacitus, Sallust and other major Latin prose authors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units	<h3 style="margin: 0;">Course Fees</h3> <p>Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (http://louisville.edu/bursar/tuitionfee).</p> <hr style="border: 1px solid black;"/>	
<p>LAT 402. Readings in Latin Poetry Term Typically Offered: Spring Only Prerequisite(s): LAT 302 or consent of instructor. Description: Selections from Vergil, Ovid, Catullus and other major Latin poets. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units		
<p>LAT 501. Special Topics in Classical Latin Prose Term Typically Offered: Occasionally Offered Prerequisite(s): LAT 402 or consent of instructor. Description: In-depth translation and analysis of select Classical Latin prose authors and works with special attention given to current scholarship and research. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	3 Units		

LALS 200. Exploring Latin America - AH, D2 **3 Units**

Term Typically Offered: Fall, Spring, Summer

Description: Exploring Latin America will allow students to develop a general appreciation and understanding of a specific region of Latin America, such as the Caribbean, the Andean region, the Southern Cone, Brazil, Central America, and Mexico. Students will consider issues related to culture and ethnicity through exploration of texts and literature examined within historical, political, and social contexts. Students will learn to recognize the rich cultural diversity of Latin America and the impact of cultural diversity on societal issues.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 310. Introduction to Latin American Studies - D2, SB **3 Units**

Term Typically Offered: Fall Only

Description: An interdisciplinary overview of Latin American Studies, including geography and history; social, political and economic systems; literature, culture and global issues.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 311. Introduction to Latino Studies - D1, SB **3 Units**

Term Typically Offered: Spring Only

Description: An interdisciplinary introduction to the experience and condition of Latinos in the United States.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 313. Panamanian Culture - D2, SB **3 Units**

Term Typically Offered: Summer Only

Description: This course provides students with an overview of Panamanian history and culture and is offered annually through the LALS Study Abroad Program in Panama.

Note: Formerly LAS 313.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 317. Social Sciences Special Topics in Latino Studies **3 Units**

Description: This course offers a historical overview of the rich cultural diversity of Latinos in the United States. It focuses on issues such as race and ethnicity, politics, social class, economics, and immigration, as well as contributions in the arts and literature.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 321. Social Science Special Topics in Latin American Studies **3 Units**

Term Typically Offered: Fall, Spring

Description: This course offers a historical overview of the rich cultural diversity of Latin America. It focuses on issues such as race and ethnicity, politics, social class, and economics, as well as contributions in the arts and literature.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 400. Latin American and Latino Studies Internship - CUE, WR

3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Senior status.

Description: The LALS Internship is a culminating undergraduate experience for seniors that requires them to apply the knowledge gained in coursework on Latin American cultures and issues concerning Latinos in the United States, and utilize Spanish linguistic skills while volunteering a minimum of 80 hours of documented work for an organization that serves the Hispanic community.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LALS 510. Urbanism in the Global South: Cities and Space **3 Units**

Description: This course is a reading-based seminar. We learn about the processes and practices within the Latin American and African city from spatial, cultural, economic and political perspective.

Note: Cross-listed with GEOG 510 and UPA 652.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Liberal Studies (LBST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

LBST 300. Forms of Interdisciplinary Inquiry **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Junior standing.
Description: Introduction to interdisciplinary and multidisciplinary inquiry, analysis, and methods.
Note: It is recommended that students concurrently enroll in the Liberal Studies section of ENGL 309.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LBST 400. Cooperative Internship in Liberal Studies **1-6 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Minimum of 60 credit hours completed, and minimum 2.5 GPA, and completed "Application for Enrollment" form from Liberal Studies program advisor.
Description: An assignment with an institution, agency, or business in a job related to the student's academic program.
Note: See regulations regarding Cooperative Internships in the Arts and Sciences section of the Undergraduate Catalog.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LBST 401. Senior Capstone Project - CUE **1 Unit**
Term Typically Offered: Fall, Spring
Prerequisite(s): LBST 300.
Description: Preparation and oral presentation of a summary of the elements of the student's individualized program of study, illustrating how the various fields that formed the student's self-designed interdisciplinary coursework have combined to create a curriculum aimed at the student's own professional goals or specific area of intellectual interest.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LBST 500. Senior Proseminar **3 Units**
Prerequisite(s): LBST 300.
Description: Seniors in the Liberal Studies program present the results of their research and independent study to other majors.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Linguistics (LING)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

LING 325. Introduction to Linguistics **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGL 102 or ENGL 105.

Description: Introduction to the basic assumptions, methods and concepts of studying language, focusing on the way language influences human experience and the organization of human behavior. Examines the nature, structure and use of language; may apply as elective in either Social Sciences or Humanities, meeting divisional or out-of-divisional requirements.

Note: Students with credit for LING 518/ENGL 518 may not take this course.

Note: Cross-listed with ENGL 325.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 326. Syntax **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): LING 325 or ENGL 325.

Description: Comprehensive introduction to contemporary approaches to describing the syntactic structure of natural language, with emphasis on generative-transformational grammar.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 327. Languages of the World **3 Units**

Term Typically Offered: Spring Only

Description: A comparative survey of languages from three contemporary critical perspectives: 1) Language families, 2) Language areas, 3) Language types. Focus will be on language relationships, similarities and differences.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 328. Language Acquisition **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): LING 325 (or concurrently) or ENGL 325 (or concurrently).

Description: Drawing upon readings from psychology, anthropology, linguistics, and education, this course will explore aspects of both native and non-native language acquisition and development.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 330. Language and Culture - AH, D1 **3 Units**

Term Typically Offered: Fall, Spring, Summer

Description: An ethnographic perspective to the study of language, investigating how it is used to create and maintain social institutions and rituals, and how it is differentiated across genders and ethnicities.

Note: Cross-listed with ANTH 343 and ENGL 330.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 341. Philosophy of Language - WR **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): LING 325 or equivalent, or consent of instructor.

Description: Philosophical problems concerning language, such as meaning, use reference, private language, and their interrelation. (Humanities)

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Cross-listed with PHIL 341.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 390. Special Topics in Language **3 Units**

Prerequisite(s): LING 325 or equivalent, or consent of instructor.

Description: Investigation of selected areas of the study of language from an interdisciplinary perspective. (Humanities or Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 490. Independent Study **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): LING 325 or equivalent, and 9 additional semester hours in linguistics courses; minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in linguistics courses.

Description: Guided independent study of topic in current linguistic theory or practice. Approval of Independent Study Proposal required before a student is permitted to register for this course. Contact Chair of Humanities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 503. Syntax **3 Units**

Term Typically Offered: Fall Even Years

Prerequisite(s): LING 325 or ENGL 325 or equivalent; Junior standing.

Description: Critical review of recent and current theoretical approaches to syntax and morphosyntax. Focus on cross-linguistic phenomena in sentence formation and in the signaling of grammatical relations in sentences.

Note: Cross-listed with LING 603.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 506. History and Comparative Linguistics **3 Units**

Term Typically Offered: Spring Odd Years

Prerequisite(s): LING 325 or ENGL 325 or equivalent; Junior standing.

Description: A historical study of phonological, morphological, and semantic changes in language through the comparative method and internal reconstruction; recent trends in diachronic linguistics.

Note: Cross-listed with LING 606.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 510. Phonetics and Phonology **3 Units**

Term Typically Offered: Fall Odd Years

Prerequisite(s): LING 325 or ENGL 325 or equivalent; Junior standing.

Description: An introduction to phonetics and phonological theory; study of the nature and organizations of sound in language.

Note: Cross-listed with LING 610.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 518. Foundations of Language **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.

Description: A survey of contemporary theories of language from structuralism to transformational grammar; and of the relationship of linguistics to literature, psychology, philosophy, reading, and sociology.

Note: Students with credit for LING 325/ENGL 325 may not take this course.

Note: Cross-listed with ENGL 518.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 520. World Englishes **3 Units**

Prerequisite(s): (Undergraduates) LING 325 or ENGL 325; Junior standing.

Description: Exploration of the historical, social, and political context of the various varieties of English throughout the world; standardization, pidgins, and creoles will be investigated.

Note: Cross-listed with ENGL 520.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 521. Teaching Techniques in Foreign Languages **3 Units**

Prerequisite(s): Current status as a foreign language teacher or consent of instructor.

Description: Teaching methods in foreign languages. Recommended for those teaching or preparing to teach languages.

Note: Cross-listed with M L 521.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 522. Structure of Modern English **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 102 or ENGL 105; Junior standing.
Description: Examination of the structure of modern English language; emphasis on grammatical terminology and systems of classification. Students collect and analyze linguistic examples, spoken and written. Recommended for prospective English teachers.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 523. History of the English Language **3 Units**

Prerequisite(s): ENGL 102 or ENGL 105, and Junior standing.
Description: The evolution of modern English in terms of social, historical, and linguistic forces which molded it. Emphases include: Indo-European origins, Germanic sources and Latin, French, and Danish influences; structural and lexical change; development of dialect differences; colonial spread of English; role of English in technology; emergence of World Englishes.
Note: Cross-listed with ENGL 523.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 524. Psycholinguistics **3 Units**

Term Typically Offered: Spring Only
Prerequisite(s): PSYC 307 or ENGL 325 or LING 325 or LING 518.
Description: Psychological aspects of language and their significance for analysis and understanding of cognitive and social processes.
Note: Cross-listed with PSYC 524.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 525. The Teaching of English as a Second Language **3 Units**

Prerequisite(s): ENGL 102 or ENGL 105; consent of instructor.
Description: A theoretical and practical approach to teaching English to students for whom English is not a native language. The linguistic bases of English, as well as the application of curriculum principles, will be considered.
Note: Cross-listed with ENGL 525.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 526. ESL Portfolio **1 Unit**

Term Typically Offered: Occasionally Offered
Prerequisite(s): Completion of all other ESL requirements, and consent of instructor.
Description: Assists teachers in submitting ESL portfolios for review in order to complete continuous assessment plan. Review takes place in the final phase of the course, of which self-assessment and peer assessment are components.
Note: Cross-listed with ENGL 526.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 535. Topics in Applied Linguistics **3 Units**

Prerequisite(s): (Undergraduates) LING 325 or ENGL 325; Junior standing.
Description: This course will focus on one aspect of applied linguistics. Topics may include discourse analysis, ESL teaching, language change, gender and language, or other relevant topics in applied linguistics.
Note: May be repeated up to a maximum of three times on different topics.
Note: Cross-listed with ENGL 535.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 570. Language and Social Identity **3 Units**

Prerequisite(s): (Undergraduates) LING 325 or ENGL 325; Junior standing.
Description: An introduction to the social systems and language varieties found across societies. Additionally, students will objectively explore both linguistic and social norms.
Note: Cross-listed with ENGL 570.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

LING 590. Special Topics in Linguistics **3 Units**

Prerequisite(s): Junior standing.
Description: Intensive investigation of selected topics in current linguistic theory or practice.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Management (MGMT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MGMT 101. Introduction to Business 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Admission to the Business Essentials Minor Program.

Description: An introduction to the functional areas of business, including accounting, finance, marketing, operations, competitive strategy, and human resources. The course is designed to help you appreciate the interrelationship of these business functions and, more generally, the role and context of business in society. Other topics include: the economic and legal environment of business, the globalization of markets, workforce diversity, and entrepreneurship.

Note: The course is not open to College of Business students.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 200. Elements of Management 1.5 Units

Prerequisite(s): Admission to the Business Essentials Minor Program; CIS 100 or CIS 250; MGMT 101.

Description: Introduction to four basic management functions: Planning, Organizing, Leading, and Controlling. Each of these functions will be discussed in the context of major ethical and environmental forces. At the conclusion of this course you will develop strategies for improving your skills and ability to manage people, projects, and processes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 201. Business Statistics 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): An ACT score of 25 or higher in mathematics or completion of MATH 111.

Description: Data display techniques, such as frequency distributions and histograms. Descriptive statistics, including measures of center and spread, correlation, and least squares lines. Probability distributions, with emphasis on binomial, Poisson, and normal distributions. Inferential statistics, including confidence interval estimation, tests of significance, and process control charting. Students will learn to do statistical functions using Excel.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 300. Business Communications 3 Units

Prerequisite(s): ENGL 101 and ENGL 102.

Description: Application of communication principles to current business situations. Emphasis on effective business writing and oral communications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 301. Management and Organizational Behavior 3 Units

Term Typically Offered: Fall, Spring, Summer

Corequisite(s): CIS 250 or CIS 305.

Description: Designed to provide students with the basic level of knowledge and skills in management and interpersonal processes necessary for more advanced business study and employment success.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 305. Human Resource Management 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MGMT 301.

Description: The goal of the course is two-fold: to introduce students to the philosophy of the personnel function in business, and to develop understanding concerning application of the basic manpower management functions-employment training and education, labor relations, employee services, wage and salary analysis, and personnel research.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 306. Human Resource Management Applications 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): BUS 301 and MGMT 305.

Description: This course will cover a broad range of applications associated with human resource management from the perspective of the manager and supervisor. Students will practice and develop skills in interviewing, delivering performance feedback, dealing with personnel issues, and terminating employees.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 310. Minorities, Managers and the Workplace 3 Units

Prerequisite(s): Sophomore standing.

Description: In this class the complex issues of diversity in the workplace will be considered from the perspective of the employee and the manager in the context of the basic managerial decision areas of the business organization.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 315. Collaboration: Theory and Skills 3 Units

Term Typically Offered: Fall, Spring

Description: In this course, students will learn theory and develop skills for collaborating across the wide range of circumstances they are likely to encounter in their careers. The three areas in the courses are team design and process, conflict management, and collaboration.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 321. Office Procedures and Management 3 Units

Prerequisite(s): MGMT 301.

Description: The study of efficient office procedures as well as the relationship of the office function to the business enterprise. Emphasis is placed on the design and management of office services.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MGMT 400. Design of Experiments 3 Units Prerequisite(s): MGMT 350. Description: An advanced statistics course, including analysis of variance and experimental design with emphasis on business research. Covers randomized designs, multi-factor designs, latin squares, and analysis of covariance. Emphasis on interpretation of results. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 405. Process Measurement and Experimentation 3 Units Prerequisite(s): MGMT 401. Description: A study of statistical tools for measuring processes used in manufacturing and service organizations. Topics include quality function deployment, Taguchi experimental design, process mapping, and statistical process control. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 401. Operations Management 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ACCT 201; ACCT 202; ECON 201; ECON 202; BSTA 201 or BSTA 301 or equivalent and MGMT 301. Corequisite(s): CIS 300 or CIS 305. Description: This course presents topics related to the transformation of inputs into goods and/or services such as operations strategy, quality management, supply chain management, and enterprise resource planning. It covers quantitative models to solve various operational problems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 407. Human Resource Development 3 Units Prerequisite(s): MGMT 305. Description: The purpose of this course is to analyze employee training and development needs of profit and nonprofit organizations. Problems in assessing skills, developing apprenticeship and training programs, and assessing program effectiveness will be discussed. The design and implementation of training and development programs will be presented. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 402. Essentials of Organizational Behavior 3 Units Prerequisite(s): MGMT 301. Description: A study of individual behavior in organizations. Factors influencing behavior at the individual, group, and organizational levels will be explored. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 415. Simply Business Summer Management Program 3-6 Units Prerequisite(s): Junior standing, minimum 2.5 GPA. Description: Course is designed for non-business majors to provide an understanding of business essentials including accounting, economics, information systems, finance, management, and marketing. Course is not open to business majors or minors. It does not substitute for MBA foundation courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 403. Total Quality Management 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MGMT 301. Description: An examination of the concepts and techniques of Total Quality Management (TQM) leading to continuous quality improvement of goods and services. Particular emphasis is placed on formulating quality objectives, understanding internal and external consumers, issues of group empowerment, the role of quality councils, the Baldrige Award and problem solving techniques. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 420. Systems Development Projects 3 Units Description: Systems Development Projects. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 404. Project Management 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BSTA 201 or BSTA 301 or equivalent. Description: This course will describe the use of projects to support business objectives in modern organizations. Topics to be covered include the selection of projects, their initiation, implementation, control and termination. The roles of the project manager and project team members will be covered as well. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 421. Collective Bargaining 3 Units Prerequisite(s): MGMT 305. Description: The primary purpose of this course is to provide the student with an understanding of the theories and practices of negotiating and administering collective bargaining agreements, emphasizing today's major problems and new trends. The course material includes the negotiation process, the subject matter of contracts, grievance procedures, and arbitration case work. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MGMT 425. Professional Skills for Managers II 1 Unit Grading Basis: Pass/Fail Prerequisite(s): MGMT 325. Description: The students' portfolios of professional skills defined in MGMT 325 and developed throughout the management curriculum are assessed to identify personal strengths and weaknesses. Quality of the portfolio is of utmost importance. Any weaknesses which do not meet minimally acceptable levels must be corrected before graduation. Note: Must be taken in a student's final semester before graduation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MGMT 435. Business and Society 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Minimum of 12 semester hours chosen from FIN 301, MGMT 301, MKT 301, CIS 300, CLAW 301, or MGMT 401. Description: This course investigates the appropriate role for companies in our society: personal vs. corporate values; corporate involvement in urban problems; prejudice and discrimination; rights and responsibilities of the business person. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 442. Community Outreach & Consulting - CUE 3 Units Term Typically Offered: Fall Only Prerequisite(s): MGMT 301, MGMT 306, MGMT 315, MGMT 401, and MGMT 404. Description: This course will match students with a Louisville Metro area not-for-profit organization to engage in volunteerism for the semester. Based on insights gleaned from engagement with the organization, students will propose and execute a project that will benefit the sponsoring organization. Students will utilize and further sharpen project management skills. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 440. Small Business Counseling 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301; MGMT 301; MKT 301; CIS 300 or CIS 305; CLAW 301; MGMT 401; and Senior standing. Description: Providing students an opportunity to work with a partner in addressing problems or needs of a small business (up to 150 employees), this course enables students to consult, counsel, and offer recommendations to the business owner. Students select the projects from a list provided and work together with the faculty member to create a course of action for the business to pursue. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 458. Management Decision Making 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): MGMT 201. Description: This course explores a number of theories, approaches and methods of management decision making. Overviews of both quantitative and non-quantitative methods will be provided with emphasis on selected methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MGMT 441. Business Strategy and Policy 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): FIN 301; MGMT 301; MKT 301; CIS 300 or CIS 305; CLAW 301; MGMT 401; and Senior standing. Description: The study of the interdisciplinary nature of upper level management decision-making. Comprehensive cases and/or computer simulations are used to familiarize students with the analysis of industry trends, internal operations, and the external environment under conditions of uncertainty. Domestic and international dimensions of strategy formulation and execution are examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MGMT 459. Managerial Analytics 3 Units Term Typically Offered: Spring Only Prerequisite(s): BSTAT 301, CIS 205, AND CIS 305. Description: This course will cover tools and techniques of data analysis for making better managerial decisions regarding people, processes, and resources. Students will learn how to apply data mining, text analysis, and visual analysis tools and solve business problems. Students will present data-based analyses clearly and persuasively in order to gain support from stakeholders. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MGMT 460. Images of Leadership 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MGMT 301. Description: This course integrates the theories of leadership with the practice of leading high-performing systems. Through exposure to different perspectives of leadership, as well as case studies of several different leaders, students are shown that leaders look and behave differently. There is not simply a single set of behavior patterns that all leaders follow. On the other hand, leadership is shown to be consistent from leader to leader. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

MGMT 477. Theory of Constraints **3 Units**

Prerequisite(s): MGMT 401.

Description: This course presents the Theory of Constraints (TOC) and the TOC thinking processes. The goal of an organization is discussed followed by throughput accounting and the use of the "five focusing steps" to identify and manage constraints to organization performance. Students will also learn the thinking processes, a set of powerful tools they will use to 1) identify core problems that prevent organizational improvement, 2) develop breakthrough solutions to those problems, 3) break down the obstacles to change, 4) cause change to occur in the organization, and 5) achieve buy-in across organizational functions. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 490. Special Topics in Management **1-3 Units**

Term Typically Offered: Fall, Spring

Description: A variety of contemporary topics in management will be studied. Course content may vary but will not duplicate other course offerings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 499. Independent Study in Management **1-3 Units**

Term Typically Offered: Fall, Spring, Summer

Description: Written proposal must be sponsored by at least one faculty member and approved by the Department Chair.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MGMT 500. Introduction to Administrative and Organizational Behavior. **3 Units**

Description: Introduction to administrative and organizational behavior.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Marketing (MKT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MKT 200. Elements of Marketing **1.5 Units**

Prerequisite(s): Admission to the Business Essentials minor program; CIS 100 or CIS 250; MGMT 101.

Description: An introduction to the basic elements of marketing. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MKT 301. Principles of Marketing **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): ECON 201 and ECON 202.

Corequisite(s): CIS 250 or CIS 305.

Description: A study of the behavioral, functional, societal, international, and institutional foundations of marketing, as well as the following marketing mix variables: product, price, promotion, and channels of distribution.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MKT 310. Interactive Retailing **3 Units**

Prerequisite(s): MKT 301.

Description: An introduction to managerial aspects of storefront and electronic retailing with an emphasis on decision-making processes by both retail managers and consumers.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MKT 311. Supply Chain Management **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): MKT 301.

Description: To provide an introduction to supply chain management and to develop an understanding about how firms integrate activities through improved processes and relationships to achieve and maintain a competitive edge.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MKT 320. Retail Management **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): MKT 301.

Description: This course will cover the fundamentals of retail strategy and management. Topics such as the retail environment, retail market strategy, financial strategy, merchandise management, and store management will be covered. Use of technology in retailing, social responsibility issues, and globalization in the retail industry will be discussed where appropriate. This course will be a useful elective for anyone planning to work in the retail industry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MKT 341. Promotion and Brand Management **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): MKT 301.

Description: This course examines the creation and promotion of a brand. Topics include brand identity and brand management strategy, and in particular how brand identity must be managed to positively affect a company's performance.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MKT 342. Social Media-I Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course focuses on the use of social media in marketing management and will emphasize the strategic applications of these new technologies rather than the individual social media tools. The course adopts a non-traditional format and, as such, incorporates a variety of pedagogical resources. Class lectures will be supplemented by presentations from social media field experts; online conversations with authors; and six in-class real-time case analyses of prominent local organizations. The highly interactive student centric learning approach will incorporate module presentations given by students. The course will be fast-paced, and students will work individually to complete course assignments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 352. Social Media-II Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course addresses the role of social media in the marketing mix. Students will gain a working knowledge of various social media venues by working with real world organizations, and an understanding of how these venues can be used to achieve marketing and promotional objectives in a for-profit and/or nonprofit organizational environment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MKT 345. Direct Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course will examine the concepts, strategies, and applications involved in Direct Marketing. Topics include the scope of direct marketing, strategic planning, offer planning and positioning, direct mail, telemarketing, catalogs, and direct response advertising. Marketing applications of concepts will be illustrated through examples and case studies. Social, ethical, and international aspects of direct marketing will be discussed under various topics when relevant. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 360. Professional Relationship Selling Term Typically Offered: Fall, Spring Prerequisite(s): MKT 301. Description: This course focuses on the knowledge, skills, and processes required for effective professional relationship selling. Topics covered include understanding organizational purchasing, building trust, communicating effectively, and self leadership. Processes for initiating, developing, and expanding customer relationships are also examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MKT 349. Business to Business Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: A study of the marketing of goods and services to other organizations. Special attention is devoted to the discovery of industrial market needs and their translation into products and services, and development of the industrial marketing mix and its appropriate management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 370. Global Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: Emphasizes the formulation of marketing strategies in light of global threats and opportunities. Examines the importance of economic, cultural, political, and technical factors in the international marketing management process. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MKT 350. Consumer Behavior Term Typically Offered: Fall, Spring Prerequisite(s): MKT 301. Description: A study of the factors and principles that govern the behavior and decision-making patterns of consumers in the marketplace. Theories from economics, psychology, social psychology, and cultural anthropology are used to enhance our understanding of the consumer. Includes cross-cultural aspects of behavior relevant to international settings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 380. Services Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: The course focuses on service organizations where the product is not tangible. Topics include understanding and managing the service encounter, service quality, demand balancing, complaint handling, and service recovery. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MKT 355. Consumer Behavior Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: A study of the factors and principles that govern the behavior and decision-making patterns of consumers in the marketplace. Theories from economics, psychology, social psychology, and cultural anthropology are used to enhance our understanding of the consumer. Includes cross-cultural aspects of behavior relevant to international settings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 385. New Product Development Strategy Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course deals with new products tools and concepts that are applicable in a variety of settings: consumer goods, business-business goods, services, and high-technology goods. Concentration will be on consumer goods, mainly packaged goods, durables and high-technology goods. Class discussions will cover a wide range of issues such as market definition, idea and concept generation and evaluation, product design and positioning, test marketing and product launch. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>MKT 390. Franchising 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course deals with the important aspects of starting and managing a franchise business either as a Franchisee or as a Franchisor. Specific attention is placed on the evaluation of franchising opportunities; legal aspects of franchising; the development of appropriate strategies for the successful planning, implementation and launching of a new franchised business. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MKT 398. Co-op in Marketing II 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MKT 397; university GPA 2.5; validation through the College of Business Co-op Office. Description: A new or continued workplace experience in an approved Marketing position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>MKT 396. Zero-Credit Internship-Marketing 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MKT 301, good academic standing, and validation through the Ulmer Career Management Center. Description: Application to the zero-credit internship program and completion of orientation processes should be accomplished prior to employment. Students must be Marketing majors. A new workplace experience in an approved Marketing position which offers progression of learning in a level appropriate opportunity for practical application of classroom theory and tools. This program is available to students who have received the maximum number of co-op credit hours for their major. Note: this course is restricted and requires permission from the Ulmer Career Management Center.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MKT 399. Co-op in Marketing III 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Permission of the College of Business Co-op Office. Description: A new or continued workplace experience in an approved Marketing position which offers new learning and/or additional responsibilities that continue the student's progression of learning and opportunity for practical application of classroom theory and tools. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MKT 397. Co-op in Marketing I 1-3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MKT 301; university GPA 2.5; validation through the College of Business Co-op Office; Marketing majors only. Description: A new workplace experience in an approved Marketing position which offers a progression of learning in a level appropriate opportunity for practical application of classroom theory and tools. Note: Application to the co-op program and completion of orientation processes should be accomplished prior to employment. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MKT 401. Strategic Sales Leadership 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: This course focuses on the development and execution of a strategic sales program. Topics covered include sales strategy development, sales organization design, and sales force deployment. Sales leadership activities for developing, directing, and determining sales force effectiveness and performance are also examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MKT 406. Purchasing and Supply Mgmt 3 Units Prerequisite(s): MKT 301. Description: The course focuses on identifying, selecting, and evaluating suppliers to enhance the quality and timely delivery of supplies needed within an organization. Other topics include understanding the nature of demand for goods and services within business markets and the process of building relationships with suppliers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MKT 412. Logistics and Physical Distribution Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: An integrated study of all functional areas of logistics and physical distribution including supply chain management For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 490. Special Topics in Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: A variety of contemporary topics in marketing will be studied. Course content may vary each semester but will not duplicate other course offerings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>
<p>MKT 441. Market Intelligence and Customer Insights Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MKT 301, CIS 300 or CIS 305; Completion of at least 75 credit hours prior to enrollment; Marketing majors only. Corequisite(s): FIN 301. Description: Scope of marketing research, experimentation, research design, questionnaire construction and scaling problems, sampling methods, data collection and analysis, functional research needs and applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MKT 499. Independent Study in Marketing Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 301. Description: Written proposal must be sponsored by at least one faculty member and approved by the Department Chair. Course details must be worked out between the student and the sponsoring faculty member. Note: Faculty members and/or Departmental Chair may require additional prerequisites to be satisfied prior to approval of the independent study. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1-3 Units</p>
<p>MKT 460. Integrative Marketing Strategy - CUE Term Typically Offered: Fall, Spring Prerequisite(s): MKT 350; MKT 441; FIN 301; MGMT 301; MGMT 401 and CLAW 301 (MGMT 401 and/or CLAW 301 may be taken as prerequisites or concurrently); completion of at least 80 credit hours prior to enrollment. Description: An integrative capstone course with focus on the use of critical and analytical thinking to develop and apply effective marketing strategies. Course will require knowledge of Management and Financial concepts to be able to discuss and evaluate comprehensive marketing strategies. Note: MGMT 301, CLAW 301, FIN 301, and MGMT 401 requirements may not apply to students admitted prior to Summer 2011. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>3 Units</p>	<p>MKT 525. Distribution Management Description: Examines the flow of goods and related information from sources of supply to sources of demand with primary emphasis on inventory management, warehousing, transportation, customer service, and network configuration. Note: This course does not fulfill credit for MBA. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>		<p>MKT 527. Logistics Management Prerequisite(s): MKT 525 and ACCT 526. Description: Examines skills required for effective logistics management including leadership, contracts, and decision-making. Note: This course does not fulfill credit for MBA. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MKT 465. Advanced Professional Relationship Selling Term Typically Offered: Occasionally Offered Prerequisite(s): MKT 360. Description: This course builds on knowledge and skills learned in MKT 360. The course centers on advanced effective communication skills for the sales professional in building and sustaining business relationships. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>		

Math (Pathways beginning Fall 2012) (MAT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific

fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MAT 55. Pre-Algebra **3 Units**

Grading Basis: Developmental Course - No Earned Hours

Term Typically Offered: Fall, Spring

Description: This is a basic education course taught by Jefferson Community and Technical College at UofL. Topics include operations on integers, decimals and fractions and an introduction to exponents, square roots, percents, ratios, proportions, prime factorization, basic geometry, algebraic expressions, basic linear equations, and applications.

Note: Placement in MAT 55 is the equivalent to placement in MT 55.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MAT 65. Basic Algebra **3 Units**

Grading Basis: Developmental Course - No Earned Hours

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): MAH 60, MT 55, MAT 55, or placement test recommendation.

Description: This is a basic education course taught by Jefferson Community and Technical College at UofL. Topics include linear equations and inequalities, integer exponents, polynomials, factoring, equations of lines and their graphs, systems of linear equations and applications.

Note: Placement in MAT 65 is equivalent to placement in MT 65.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MAT 85. Intermediate Algebra: A Functional Approach **3 Units**

Grading Basis: Developmental Course - No Earned Hours

Term Typically Offered: Occasionally Offered

Prerequisite(s): MAH 070, MT 065, MAT 65, or placement test recommendation.

Description: This is a basic education course taught by Jefferson Community and Technical College at UofL. Topics include rational expressions, radical expressions, rational exponents, graphing parabolas, inequalities, equations of lines, functions and applications, with emphasis on solving quadratic, rational, and radical equations.

Note: Placement in MAT 85 is equivalent to placement in MT 80.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Mathematics (MATH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MATH 105. Quantitative Reasoning - QR **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Appropriate placement score or equivalent coursework.

Description: Use of mathematical modeling to solve practical problems. Applications include management science, social choice, population growth, and personal finance.

Note: Does not count toward mathematics major or minor.

Note: Intended for non-science majors.

Note: Previously offered as "Contemporary Mathematics".

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 107. Finite Mathematics **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Appropriate placement score or equivalent coursework.

Description: Systems of linear equations and inequalities, algebra of sets, counting and probability theory, vectors and matrices, and applications.

Note: Does not count toward mathematics major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 109. Elementary Statistics - QR **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): Appropriate placement score or equivalent coursework.

Description: Descriptive statistics, normal and binomial distributions, inferential statistics, contingency tables, correlation and regression, computer laboratory.

Note: Does not count toward mathematics major or minor.

Note: Students may not receive credit for both this course and any of the following: MGMT 201, SOC 301, PSYC 316 and PSYC 317, PSYC 301 (formerly PSYC 312) or CJ 326 (formerly JA 320 or JA 326).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 111. College Algebra - QR **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Appropriate placement score or equivalent coursework.

Description: Advanced topics in algebraic and rational expressions and factoring; polynomial, rational, exponential, and logarithmic functions; applications.

Note: Does not count toward mathematics major or minor.

Note: Credit not allowed for both MATH 111 and MATH 190 or ENGR 190.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 112. Trigonometry **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Appropriate placement score or equivalent coursework.
Description: Trigonometric functions through angular and circular definitions. Identities, graphing, inverse trigonometric functions, analytic geometry, applications.
Note: Does not count toward mathematics major or minor.
Note: Credit not allowed for both MATH 112 and 190 or ENGR 190.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 151. Mathematics for Elementary Education I **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Appropriate mathematics placement.
Description: Problem solving and number systems, including numeration systems, integers, rational, and real numbers, and elementary number theory.
Note: Recommended only for majors in elementary or middle grades education.
Note: Does not count towards mathematics major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 152. Mathematics for Elementary Education II **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): MATH 151.
Description: Geometry, patterns, elementary statistics, discrete probability and counting.
Note: Recommended only for majors in elementary or middle grades education.
Note: Does not count towards mathematics major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 180. Elements of Calculus - QR **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Appropriate placement score or equivalent coursework.
Description: Differential and integral calculus of polynomial, logarithmic, and exponential functions with applications.
Note: Does not count toward mathematics major or minor.
Note: Credit not granted for both MATH 180 and MATH 205.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 190. Precalculus - QR **4 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Appropriate placement score or equivalent coursework.
Description: Advanced topics in algebraic and rational expressions, factoring, exponents, and radicals; theory of equations and inequalities; functions. Analytic geometry, trigonometry.
Note: Does not count toward mathematics major.
Note: Credit not allowed for both MATH 190 and and of the following: MATH 111, MATH 112 or ENGR 190.
Note: MATH 190 normally prepares student for MATH 205.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 205. Calculus I - QR **4 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): MATH 111-MATH 112, or MATH 190, or ENGR 190, or appropriate placement score.
Description: A first course in differential and integral calculus of single variable functions.
Note: Credit will not be granted for both MATH 205 and either MATH 180 or ENGR 101.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 206. Calculus II **4 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): MATH 205 or ENGR 101.
Description: Continuation of MATH 205; Introduction to infinite series.
Note: Credit will not be granted for both MATH 206 and ENGR 102.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 301. Calculus III **4 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): MATH 206 or ENGR 102.
Description: Differential and integral calculus of functions of several variables, vector analysis, solid analytic geometry, introduction to topics in differential equations.
Note: Credit will not be granted for both MATH 301 and ENGR 201.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 311. Introduction to Higher Math **3 Units**

Term Typically Offered: Fall, Spring
Prerequisite(s): MATH 205 or ENGR 101.
Description: Introduction to abstract mathematics with particular attention to developing proof-reading and proof-writing skills. The basics of set theory, functions, relations, number systems, countability, sequences and their convergence, and the complex plane.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MATH 325. Introduction to Linear Algebra Term Typically Offered: Fall, Spring Prerequisite(s): MATH 180 or MATH 205 or ENGR 101. Description: Systems of equations, matrix algebra, linear independence, n-dimensional vector spaces, linear transformations, eigenvalues and eigenvectors. Note: Credit will not be granted for both MATH 325 and ENGR 330.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 387. Discrete Mathematics Term Typically Offered: Fall, Spring Prerequisite(s): MATH 206 or ENGR 102; MATH 325. Description: Topics may include: Pigeon-hole principle, counting techniques, binomial coefficients, generating functions, stirling and catalan numbers, permutations and graphs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MATH 349. Statistics and Probability for Teachers Prerequisite(s): Completion of general education mathematics requirement. Description: Descriptive statistics, data analysis and collection, probability and expected value, introduction to statistical inference. Intended for prospective elementary and middle school teachers. Note: Does not count toward major or minor in mathematics. Note: Students may not receive credit for both this course and any of the following: MATH 109, MGMT 201, SOC 301, PSYC 312, PSYC 316 and PSYC 317, CJ 326.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 405. Differential Equations Term Typically Offered: Spring Only Prerequisite(s): MATH 206 or ENGR 102; MATH 325. Description: Methods of solution of common types of ordinary differential equations. Note: Credit will not be granted for both MATH 405 and ENGR 205.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MATH 350. Geometric Investigations Term Typically Offered: Fall, Spring Prerequisite(s): MATH 112 or MATH 190 or MATH 205 or ENGR 101. Description: Inductive and deductive investigation of Euclidean geometry, constructions, and transformations. Manipulative, models, and technology used in laboratory setting. Intended for prospective middle school teachers. Note: Does not count toward major or minor in Mathematics. Note: Credit will not be given for both MATH 350 and either MATH 550 or MATH 551.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 407. Numerical Analysis Term Typically Offered: Occasionally Offered Prerequisite(s): MATH 301 and MATH 325; MATH 405 recommended. Description: Introduction to numerical methods used to approximate equation solutions, functions, integrals, derivatives, and solutions of ordinary differential equations. Note: Credit will not be granted for both MATH 407 and ENGR 307.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MATH 372. Theory of Interest Term Typically Offered: Spring Only Prerequisite(s): MATH 206 or ENGR 102. Description: Accumulation function and the special cases of simple and compound interest. Nominal and effective interest and discount rates and the force of interest - constant and varying. Valuation of discrete and continuous streams of payments. Determination of yield rates on investments. Application of interest theory to amortization of lump sums, fixed income securities, depreciation mortgages. Covers the interest theory portion of the Examination 2 of the Society of Actuaries and the Casualty Actuarial Society. Note: Previously offered as MATH 572 (through fall 2018).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 430. Practicum in Mathematics Education Term Typically Offered: Fall, Spring Prerequisite(s): Selected for Math UTA; grade of B or better in MATH 311 & MATH 325; 3.0 GPA in major; 9 hrs completed in Math major at UofL. Description: For Mathematics Undergraduate Teaching Assistants (UTAs) who have been selected to participate in the NSF-STEP-funded PRIMES project as peer mentors and undergraduate teaching assistants (UTA) in undergraduate Mathematics courses. This practicum course is intended to provide a pedagogical foundation for successfully engaging with students in the classes to which each UTA is assigned. Note: May be repeated for a maximum total of 3 credit hours.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MATH 372. Theory of Interest Term Typically Offered: Spring Only Prerequisite(s): MATH 206 or ENGR 102. Description: Accumulation function and the special cases of simple and compound interest. Nominal and effective interest and discount rates and the force of interest - constant and varying. Valuation of discrete and continuous streams of payments. Determination of yield rates on investments. Application of interest theory to amortization of lump sums, fixed income securities, depreciation mortgages. Covers the interest theory portion of the Examination 2 of the Society of Actuaries and the Casualty Actuarial Society. Note: Previously offered as MATH 572 (through fall 2018).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 451. Problem Solving in Number Systems and Discrete Mathematics Term Typically Offered: Spring Only Prerequisite(s): MATH 151; MATH 180 or MATH 205 or ENGR 101. Description: Exploration of problem solving techniques and their application to problems in number systems and discrete mathematics. Intended for prospective middle school teachers. Note: Does not count toward major or minor in mathematics. Note: Credit will not be given for both MATH 451 and MATH 311.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>MATH 491. Independent Study 1-3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. Description: Opportunity for students to explore, with the guidance of faculty, one or more topics in Mathematics that are not covered under the regularly offered curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 505. Introduction to Partial Differential Equations 3 Units Term Typically Offered: Fall, Summer Prerequisite(s): MATH 301 and MATH 405. Description: Techniques for solving standard heat, wave, and potential equations, including discussion of Fourier analysis techniques. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MATH 493. Cooperative Internship in Mathematics 1-3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): 15 hours of Mathematics (MATH 205 and above); approval of department chair; and Junior standing. Description: An individually-arranged course combining work experience with a related academic project. Note: BS students may apply a maximum of 3 hours in applications area requirement. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 507. Fourier Analysis 3 Units Term Typically Offered: Spring Only Prerequisite(s): MATH 301 and MATH 405. Description: Introduction to Fourier series and transforms. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MATH 499. Senior Honors Thesis - WR 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Senior standing and faculty consent. Description: Independent investigation of a topic in mathematics, undertaken by a student with faculty supervision, culminating in a paper submitted for Honors. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 511. Complex Analysis I 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MATH 301 or ENGR 201; MATH 311; MATH 325 or ENGR 330. Description: Geometry of the complex plane, analytic and meromorphic functions, linear fractional transformations. Cauchy's Theorem and the Residue Theorem. Emphasizes computational aspects of the course topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MATH 501. Introduction to Analysis I - CUE 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): MATH 301, MATH 311 and MATH 325. Description: Foundations of the real number system, sequences and series, topology of the line, continuity, differentiation of functions of one variable. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 512. Complex Analysis II 3 Units Prerequisite(s): MATH 511. Description: A continuation of MATH 511, including deeper properties of analytic, meromorphic, harmonic functions and conformal mappings. Emphasizes theoretical aspects of the course topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MATH 502. Introduction to Analysis II 3 Units Term Typically Offered: Spring Only Prerequisite(s): MATH 501. Description: Riemann integration on the line, sequences and series of functions, uniform convergence, metric spaces. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 520. Theory of Numbers 3 Units Prerequisite(s): MATH 206 or ENGR 102; MATH 311; MATH 325 or consent of instructor. Description: A study of the integers and their divisibility properties. Particular emphasis on the theory of congruencies, partitions, prime numbers, Diophantine analysis and quadratic residues. Note: Credit may be applied towards the MAT but not toward any other graduate degree in mathematics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MATH 521. Modern Algebra I - CUE 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): MATH 206 or ENGR 102; and MATH 311; and MATH 325; or consent of instructor. Description: An introduction to the theory of groups, rings, integral domains, and fields. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MATH 521. Modern Algebra I - CUE 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): MATH 206 or ENGR 102; and MATH 311; and MATH 325; or consent of instructor. Description: An introduction to the theory of groups, rings, integral domains, and fields. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MATH 522. Modern Algebra II Term Typically Offered: Spring Only Prerequisite(s): MATH 521. Description: Continuation in greater depth of topics introduced in MATH 521; introduction to theory of ideals, field extensions, and abstract vector spaces. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 560. Statistical Data Analysis - WR Prerequisite(s): MATH 205 or ENGR 101. Description: Descriptive techniques, inferential techniques, simple and multiple linear regression. Frequent use of statistical computer packages. No previous knowledge of the computer required. Note: Credit may be applied towards the MAT but not toward any other graduate degree in mathematics. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>	<p>3 Units</p>
<p>MATH 535. Modeling I Prerequisite(s): MATH 325 or MATH 405 or equivalent. Description: Introduction to mathematical modeling of discrete and continuous dynamical systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MATH 536. Modeling II Prerequisite(s): MATH 535. Description: Advanced mathematical modeling of discrete and continuous dynamical systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 561. Probability Term Typically Offered: Fall, Spring Prerequisite(s): MATH 301. Description: Probability spaces, probability distributions, moments, moment-generating functions, independence, transformation of variables, sampling distributions, laws of large numbers, central limit theorem, applications. Note: Credit will not be granted for both MATH 561 and IE 360.</p>	<p>3 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>		<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MATH 545. Introduction to Fractal Geometry Prerequisite(s): MATH 301 and MATH 325; MATH 501 recommended. Description: Recursively defined sets and self-similarity; metric spaces and iterated function systems; topological, fractal, and Hausdorff dimensions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MATH 562. Mathematical Statistics Prerequisite(s): MATH 561. Description: Random samples and statistics, point estimation, sufficiency and completeness, confidence regions, classical theory of hypothesis testing, linear regression, nonclassical procedures. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MATH 550. Advanced Euclidean Geometry Term Typically Offered: Occasionally Offered Prerequisite(s): A year of high school geometry; MATH 206 or ENGR 102; MATH 311; MATH 325 or consent of instructor. Description: Theory of Euclidean geometry contrasted with non-Euclidean from both the axiomatic and algebraic approach. Of special value to secondary teachers. Note: Credit may be applied toward the MAT but not toward any other graduate degree in mathematics.</p>	<p>3 Units</p>	<p>MATH 564. Probability Models Prerequisite(s): MATH 561. Description: Finite probability models, Markov chains, renewal and reliability theory, Brownian motion, stochastic differential equations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>		<p>MATH 568. Mathematical Models in Molecular Biology Prerequisite(s): MATH 205 or instructor consent. Description: Introduction to probability models for representations of biochemical networks. Markov Processes. Stochastic simulation. Chemical and biochemical kinetics. Gillespie algorithm. Applications to intra-cellular kinetics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MATH 551. Geometry Term Typically Offered: Spring Only Prerequisite(s): MATH 206 or ENGR 102; MATH 311; MATH 325 or consent of instructor. Description: Study of projective spaces, transformations and invariants. Introduction to related geometries, such as affine, elliptic, and hyperbolic. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>		

MATH 570. Foundations of Actuarial Science **3 Units**

Prerequisite(s): MATH 561.

Description: Fundamental mathematical tools for quantitatively assessing risk. Application of these tools to problems encountered in actuarial science is emphasized. Covers the material of Examination 1 of the Society of Actuaries and Casualty Actuarial Society.

Note: Credit may not be applied toward a graduate degree in mathematics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 573. Actuarial Models I **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): MATH 570; MATH 372 or MATH 572.

Description: This course covers the material for the Society of Actuaries Exam MFE, Actuarial Models-Financial Economics (also CAS Exam 3F). The syllabus for Exam MFE develops the student's knowledge of the theoretical basis of financial models and the application of those models to insurance and other financial risks. A thorough knowledge of calculus, probability and interest theory is assumed. In addition, for Exam MFE/3F, students are assumed to be familiar with derivative securities (introductory material).

Note: Knowledge of risk management at the level of MATH 570 is assumed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 574. Actuarial Models II **3 Units**

Prerequisite(s): MATH 573.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 581. Introduction to Graph Theory **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): MATH 206 or ENGR 102; MATH 311; MATH 325 or consent of instructor.

Description: Provides an overview of graph theory. Topics include blocks, trees, connectivity, Hamiltonian and Eulerian graphs; topological problems, matrices and groups.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 587. Discrete Mathematics for MAT students **3 Units**

Prerequisite(s): MATH 206 or ENGR 102; MATH 325.

Description: Topics include: Pigeon-hole principle, counting techniques, binomial coefficients, generating functions, Stirling and Catalan numbers, permutations and graphs.

Note: Does not count towards the mathematics major or minor.

Note: Credit may be applied toward the MAT degree but not towards any other graduate degree in mathematics.

Note: Credit not allowed for both MATH 387 and MATH 587.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 590. History of Mathematics - WR **3 Units**

Prerequisite(s): 500-level course in math (except MATH 560).

Description: Mathematical history from Mesopotamia to present. Emphasis on doing mathematics, identifying the growth of mathematical concepts and studying prominent mathematicians.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MATH 591. Selected Topics in Mathematics **1-3 Units**

Prerequisite(s): Announced in Schedule of Courses.

Description: An examination of one or more topics in mathematics not usually treated in a regularly offered course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Mechanical Engineering (ME)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

ME 206. Mechanics II: Dynamics **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 102 and CEE 205.

Description: Study of motions and forces in engineering systems. Kinematics and kinetics of particles; equations of motion. Energy and momentum methods. Introduction to rigid body dynamics. Engineering applications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ME 251. Thermodynamics I **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): ENGR 102 and PHYS 298.

Description: This course covers: fundamental thermodynamic concepts involving heat and work; obtaining properties for typical working fluids, real and ideal gases; first and second laws of thermodynamics; entropy and reversible and irreversible processes; and basic cycles.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ME 280. Structured Programming for Mechanical Engineering 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): CECS 121. Description: Software development using structured computer programming. Design and implementation of programs with application to mechanical engineering problems such as numerical solution methods and kinematics. Uses a suitable programming language such as MATLAB. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 288. Mechanical Engineering Cooperative Education Seminar 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): CEE 205. Description: Discussion of the policies and procedures for cooperative education and instruction in self-directed job search techniques, including interviewing skills, resume preparation, and guidelines for the co-op report. This is a prerequisite for each cooperative education term. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 289. Mechanical Engineering Cooperative Education I 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ME 288. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 310. Thermodynamics II 3 Units Term Typically Offered: Spring, Summer Prerequisite(s): ME 251. Description: Exergy analysis and second law efficiency. Power and refrigeration cycles. Thermodynamic relations and real gas behavior. Ideal gas mixtures and psychrometrics. Thermochemistry. Chemical equilibrium. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 311. Fluid Mechanics I 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ME 206 and ME 251. Description: Characteristics of fluids. Fluid statics and kinematics. Applications of the Bernoulli equation. Conservative equations in integral and differential form. Dimensional analysis and modeling. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>ME 312. Fluid Mechanics Laboratory 1 Unit Term Typically Offered: Fall, Spring Corequisite(s): ME 311. Description: Experimental measurements of static and dynamic fluid properties. Concepts of laboratory testing. Introduction to technical report writing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 323. Mechanics of Materials 3 Units Term Typically Offered: Fall, Summer Prerequisite(s): CEE 205 and ENGR 201. Description: Analysis of stress and strain. Hooke's law. Deflections. Statically indeterminate problems. Buckling of columns. Energy methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 324. Mechanics of Materials Laboratory 1 Unit Term Typically Offered: Fall, Summer Corequisite(s): ME 323. Description: Experimental measurements of mechanical material properties and experimental verification of solid mechanics theory. Concepts of laboratory testing. Introduction to technical report writing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 380. Computer Aided Design 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): ENGR 151 and ME 323. Description: An introduction to the engineering design process emphasizing the use of modern computer-based analysis, design and presentation tools for mechanical engineering applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 381. Introduction to Manufacturing 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): CHE 253 and ME 251. Corequisite(s): ME 380. Description: Introduction to manufacturing processes with an emphasis on considerations for mechanical engineering design. Topics covered include casting, machining, forming, assembly, and modern methods for both polymer and metal materials. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>ME 389. Mechanical Engineering Cooperative Education II 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ME 289. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
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For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>ME 401. Fluid Mechanics II Term Typically Offered: Fall, Spring Prerequisite(s): ME 311 and ENGR 205. Description: Differential analysis of fluid flow, viscous flow in pipes, flow over immersed bodies, compressible flow and turbomachinery. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ME 440. Heat Transfer Term Typically Offered: Fall, Spring Prerequisite(s): ME 401. Description: A study of the fundamental laws and applications of heat transfer by conduction, convection, and radiation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>ME 414. Mechanical Measurements Term Typically Offered: Fall, Spring Prerequisite(s): ENGR 205, ME 312, and ME 324. Description: General consideration of signals and utilization of instruments to measure physical properties of systems. Review and introduction of useful mathematical concepts such as statistical data analysis. Introduction to digital data acquisition and signal processing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ME 442. Machine Design II Term Typically Offered: Fall, Spring Prerequisite(s): ME 422. Description: Design and application of machine elements such as springs, rolling element bearings, gearing, and journal bearings. Open-ended design projects are assigned. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>ME 415. Senior Mechanical Engineering Laboratory Term Typically Offered: Fall, Spring Corequisite(s): ME 414. Description: Experiments in heat transfer, mechanics, acoustics, pumps, electrical circuits, sound dynamics, and HVAC systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>ME 489. Mechanical Engineering Cooperative Education III Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ME 389. Description: Full-time technical work experience related to the student's academic program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>1 Unit</p>
<p>ME 422. Machine Design I Term Typically Offered: Fall, Spring Prerequisite(s): ME 323 and CHE 253. Description: Fundamental concepts related to the design of mechanical components and machines. The engineering design process. Design for strength and reliability. Open-ended design projects are assigned. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>ME 432. Intermediate Mechanics of Materials Prerequisite(s): ME 323. Description: Principle of virtual work. Principle of minimum potential energy. Matrix formulation of static and dynamic structural mechanics problems with a strong emphasis on computer applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>ME 497. Mechanical Engineering Capstone Design Project - CUE Term Typically Offered: Fall, Spring Prerequisite(s): ME 442. Description: Team-oriented design of a mechanism, system or process satisfying a set of open-ended requirements. Written reports and oral presentations are required. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>3 Units</p>
<p>ME 435. System Dynamics Term Typically Offered: Spring, Summer Prerequisite(s): ECE 252, ENGR 205 and ME 311. Description: Modeling of mechanical, fluid, electrical, and mixed systems. Determination of time and frequency domain response of such systems to transient and periodic inputs. Specific applications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
		<p>ME 510. Thermal Design of Internal Combustion Engines Term Typically Offered: Fall, Spring, Summer Prerequisite(s): ME 310. Description: Thermodynamics and fluid mechanics of internal combustion engine design. Combustion stoichiometry, thermochemistry, and properties of working fluids. Ideal and real engine cycles. Fluid flow processes, combustion processes, pollutant formation and control. Engine operating characteristics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

- ME 544. Design of Fluid Power Systems** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ME 380 and ME 401.
Description: Design methodology of hydraulic circuits and fluid power components. Study of rotary/linear actuators, hydrostatic transmissions, temperature control, contamination control, pneumatics, valves, and control components. Applied design projects and laboratory modules are required.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 555. Introduction to Micro and Nanotechnology** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CHE 253 or equivalent; Senior or Graduate standing in an engineering program.
Description: Design, fabrication and application of micro- and nano-electro-mechanical systems (MEMS/NEMS). Scaling laws governing micro- and nanoscale physics. Use of MEMS/NEMS devices in electronics, as sensors, and for medical applications.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 559. Process Physics & Material Science in Advanced Manufacturing** **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): ME 323 and ME 381.
Description: Materials processing lies at the core of advanced manufacturing. It is through understanding and innovations in materials processing, true progress in manufacturing development can be reached. Topics include mechanical, thermal, electrochemical, acoustic, optical energy-based material processing physics, physical metallurgy, phase transformation, solidification, heat and mass transfer, dislocation mechanics in the context of manufacturing.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 562. Composite Materials** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ME 422.
Description: Overview of composite materials, stress/strain analysis of a polymer matrix fiber-reinforced composite ply, classical lamination theory, failure criteria, design approaches, manufacturing methods, and applications for structural polymeric composites.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 565. Advanced Engineering Mathematics I** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGR 201 or ENGR 205 or equivalent.
Description: Formulation and solution of mathematical models for mechanical engineering problems leading to ordinary and partial differential equations. Transform solution methods and linear algebra concepts, including real and complex-domain eigenvalue problem solutions.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 566. Advanced Engineering Mathematics II** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ME 565 or equivalent.
Description: Analysis of engineering systems and phenomena yielding complex domain models and solutions. Power series, Taylor series, and Laurent series. Complex analysis and potential theory. Numerical analysis for complex domain systems. Introduction to optimization and linear programming.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 570. Sustainable Energy Systems** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): ME 310 and ME 311.
Description: Analysis and design of sustainable energy systems, and exploration of concepts such as carbon capture storage for making fossil energy systems more environmentally acceptable.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 572. Energy Storage Systems** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ME 440.
Description: Study of the principles and analysis of energy systems. Introduction to energy storage systems and their applications; thermal and mechanical energy storage, storage of organic fuels, hydrogen, and electrochemical energy.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 575. Special Topics in Mechanical Engineering** **1-4 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Faculty consent.
Description: A special topics course in mechanical engineering topics not covered by regularly scheduled courses.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 580. Air Pollution Control** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): CHEM 202, ME 310 or equivalent.
Description: Origin and fate of air pollutants, combustion and pollutant formation processes, control of emissions of gaseous and particulate pollutants and design of various pollution control devices.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- ME 585. Design and Energy Analysis of Consumer Appliances** **4.5 Units**
Description: Application of classical, computational, and experimental methods and analysis to the design of mechanical and energy systems. Topics include material impacts on design, structural component design, and design and analysis of thermal fluid, and acoustic systems.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ME 588. Independent Study in Mechanical Engineering 1-4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Faculty consent.

Description: A theoretical or experimental investigation of a problem area related to mechanical engineering.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ME 595. Measurement, Reliability, and Thermal Design of Electromechanical Systems 4.5 Units

Prerequisite(s): ME 585.

Description: Application of classical, computational, and experimental methods and analyses to the design of electromechanical systems.

Topics include reliability and failure analysis, measurement and control of electromechanical systems, and analysis and design optimization of thermal systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Military Science (MILS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MILS 101. Leadership and Adventure I 1 Unit

Term Typically Offered: Fall Only

Description: Introduction to the Army, military skills and leadership skills. Role of the Army and opportunities as an Army officer. Adventure training with rappelling, marksmanship, and land navigation exercises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 102. Leadership and Adventure II 1 Unit

Term Typically Offered: Spring Only

Description: Introduction to the Army, military skills and leadership skills. Role of the Army and opportunities as an Army officer. Adventure training with rappelling, marksmanship, and land navigation exercises.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 111. Army Physical Fitness I 1 Unit

Term Typically Offered: Fall Only

Prerequisite(s): Students must furnish medical clearance statement prior to participation.

Description: Students learn to plan, coordinate, and execute a physical fitness program under the direct supervision of the master fitness trainer. Emphasis is placed on developing and executing a program that adheres to the principles and components of physical fitness.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 112. Army Physical Fitness II 1 Unit

Term Typically Offered: Spring Only

Prerequisite(s): Students must furnish medical clearance statement prior to participation.

Description: Students learn to plan, coordinate and execute a physical fitness program under the direct supervision of the master fitness trainer. Emphasis is placed on developing and executing a program that adheres to the principles and components of physical fitness.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 201. Intermediate Leadership Skill Development I 2 Units

Term Typically Offered: Fall Only

Prerequisite(s): MILS 101 and MILS 102, or faculty consent.

Description: Introduction to principles and techniques of military leadership and professionalism with continued emphasis on military skill development.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 202. Intermediate Leadership Skill Development II 2 Units

Term Typically Offered: Spring Only

Prerequisite(s): MILS 101 and MILS 102, or faculty consent.

Description: Introduction to principles and techniques of military leadership and professionalism with continued emphasis on military skill development.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 205. Level 1 Modern Army Combatives (MAC) 2 Units

Prerequisite(s): ; All participants must be a Contracted Cadet, currently enrolled and in good standing in the ROTC Program.

Description: Level 1 MAC follows FM 3-25.150 in order to train the use of different levels force in a replicated environment where conflict may change from low intensity to high intensity over a matter of hours. Graduates of the course receive MAC Level 1 Certification which is applicable to all Army units..

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 210. Special Topics in Military Science 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Special topics not otherwise covered in the program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MILS 211. Army Physical Fitness III 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Students must furnish medical clearance statement prior to participation. Description: Students learn to plan, coordinate and execute a physical fitness program, under the direct supervision of the master fitness trainer. Emphasis is placed on developing and executing a program that adheres to the principles and components of physical fitness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 311. Army Physical Fitness I 1 Unit Term Typically Offered: Fall Only Description: Planning, coordination and execution of a physical fitness program, under the direct supervision of a master fitness trainer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MILS 212. Army Physical Fitness IV 1 Unit Term Typically Offered: Spring Only Prerequisite(s): Students must furnish medical clearance statement prior to participation. Description: Students learn to plan, coordinate and execute a physical fitness program, under the direct supervision of the master fitness trainer. Emphasis is placed on developing and executing a program that adheres to the principles and components of physical fitness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 312. Army Physical Fitness II 1 Unit Term Typically Offered: Spring Only Description: Planning, coordination, and execution of a physical fitness program under the direct supervision of a master fitness trainer. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MILS 301. Leadership and Management 3 Units Term Typically Offered: Fall Only Prerequisite(s): MILS 101, MILS 102, MILS 201, and MILS 202; or faculty consent. Description: Principles and techniques of military leadership, to include: military instruction; employment of small unit weapons; and analysis of military professionalism and ethics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 401. Mission Command and the Army Profession 3 Units Term Typically Offered: Fall Only Prerequisite(s): MILS 301 and MILS 302. Description: Explore and understand how to apply the concepts of Mission Command, the Operations Process, and Unit Training Management in order to prepare and effectively lead units in complex situations of current military operations. Examine how the Army Profession and the Uniform Code of Military Justice enables leaders to build and maintain effective and morally sound teams. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MILS 302. Theory and Dynamics of the Military Team 3 Units Term Typically Offered: Spring Only Prerequisite(s): MILS 301 or faculty consent. Description: Theory and dynamics of small unit operations to include: land navigation; artillery fire support procedures; small unit tactics and leadership procedures; individual protective measures; and oral communications. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 402. Mission Command and the Company Grade Officer 3 Units Term Typically Offered: Spring Only Prerequisite(s): MILS 401. Description: Examine the dynamics of leading in complex, ambiguous environments through United Land Operations; Explore the Art of Command, Ethical Decision Making and Sustaining and building Resilient teams. Conduct a Staff Ride analyzing a Civil War Battle. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MILS 305. Special Topics in Military Science 3 Units Term Typically Offered: Occasionally Offered Description: Special topics not otherwise covered in the program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 405. Special Topics in Military Science 1-3 Units Term Typically Offered: Fall Only Description: Special Topics not otherwise covered in the program. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MILS 308. Survey of American Military History 3 Units Term Typically Offered: Fall, Spring Description: A critical understanding of the history that has brought our military to this point. An examination of American History independent of the political, social, economic and religious factors and focus on the military tenets as outlined by the Combat Studies Institute (CSI) of the U.S. Army. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MILS 410. Independent Study in Military Science and Leadership 1-6 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MILS 301 and MILS 302. Description: Students are under guidance and confer with the Professor of Military Science (PMS) on approved topics. A written paper or report is required and will be maintained in the Office of the PMS. In order to be eligible for this course, students must be granted permission from the PMS, have a program GPA of 3.0, or a GPA of 3.5 in the department, and at least 18 semester hours credit in the department. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

MILS 411. Army Physical Fitness III **1 Unit**
Term Typically Offered: Fall Only
Description: Planning, coordination, and execution of a physical fitness program, under the direct supervision of a master fitness trainer. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MILS 412. Army Physical Fitness IV **1 Unit**
Term Typically Offered: Spring Only
Description: Planning, coordination and execution of a physical fitness program, under the direct supervision of a master fitness trainer. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Modern Languages (M L)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

M L 000. Study Abroad: (Language) **1-30 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): Participation in the University of Louisville Study Abroad Program and/or programs conducted by the International Center.
Description: Credit awarded to students who have successfully completed the program. Upon return, the student will be required to demonstrate language proficiency at a level agreed upon by the Department of Classical and Modern Languages prior to departure. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 101. Elementary Language I **3 Units**
Term Typically Offered: Occasionally Offered
Description: Study of languages not normally taught in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 102. Elementary Language II **3 Units**
Term Typically Offered: Occasionally Offered
Description: Study of languages not normally taught in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 121. Basic Language Study I **4 Units**
Description: Study of languages not normally taught in the curriculum. Basic grammar, with practice in hearing, speaking, reading, and writing. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 122. Basic Language Study II **4 Units**
Description: Study of languages not normally taught in the curriculum. Basic grammar, with practice in hearing, speaking, reading, and writing. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 199. Writing in the Humanities: Classical and Modern Languages **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): ENGL 101.

Description: Students learn to assess the support for a claim in various forms of Humanities writing and to research and write about one or more issues in Classical and Modern Languages.

Note: Credit may not be earned for this course and ENGL 102.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 200. Study Abroad **1-15 Units**
Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 201. Intermediate Language I **3 Units**
Description: Study of languages not normally taught in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 202. Intermediate Language II **3 Units**
Description: Study of languages not normally taught in the curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 221. Intermediate Language Study **4 Units**
Description: Study of languages not normally taught in the curriculum.
Note: Completion of ML 221 will satisfy the Arts and Sciences language requirement.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 250. Introduction to the French-Speaking World - AH, D2 **3 Units**
Term Typically Offered: Fall, Spring

Description: A general introduction, taught in English, to the arts, culture and history of areas throughout the world in which French is the primary language.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>M L 260. Introduction to Hispanic Culture - AH, D2 3 Units Term Typically Offered: Fall, Spring Description: An introduction to Hispanic culture and ethnicity within a global context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>M L 302. Reading, Conversation and Composition II 3 Units Prerequisite(s): M L 301 in appropriate language. Description: Reading, conversation, and composition in languages taught on an occasional basis. Note: Readings, papers, lectures, and discussions in the following literature courses are given in English: M L 313, M L 340, M L 341, M L 351, M L 352, M L 353, M L 354, M L 355, M L 356, M L 357, M L 358, M L 361, M L 362, M L 363, M L 364, M L 401, M L 506, M L 551, M L 552, M L 553, and M L 561.</p>
<p>M L 261. Cultures of Spain - AH, D2 3 Units Term Typically Offered: Occasionally Offered Description: A general introduction, taught in English, to the culture, art and history of Spain. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>M L 270. Chinese Contributions to the World - AH, D2 3 Units Term Typically Offered: Occasionally Offered Description: An introduction to Chinese historical scientific contributions to the world, the reciprocal influences between Chinese and non-Chinese cultures, and Chinese ethnicity and identities within the global context. Note: Cross-listed with CHST 270 and AST 270.</p>	<p>M L 310. Japanese Culture Through Film - AH, D2 3 Units Term Typically Offered: Occasionally Offered Description: The course will examine, through specifically selected films, social, cultural, and political aspects of contemporary Japanese society. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>M L 312. Japanese Popular Culture - AH, D2 3 Units Term Typically Offered: Fall Only Description: This course is an introduction to modern and contemporary Japanese pop culture.</p>
<p>M L 271. Chinese Popular Culture - AH, D2 3 Units Term Typically Offered: Fall Only Description: This course is an introduction to modern and contemporary Chinese pop culture and its global significance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>M L 280. Culture of the German-Speaking World - AH, D2 3 Units Term Typically Offered: Fall, Spring Description: Introduction to the art, music, literature, film and philosophy of the German-speaking world from the Middle Ages to the present. Taught in English. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>M L 313. Special Topics in Language, Literature, or Culture 3 Units Term Typically Offered: Occasionally Offered Description: Critical reading and interpretation of works providing insights into foreign language, literature, or culture. Topics vary. Note: May be repeated once for credit.</p>
<p>M L 300. Study Abroad 1-15 Units Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>M L 301. Reading, Conversation and Composition I 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): M L 202 or M L 221 in appropriate language. Description: Reading, conversation and composition in languages taught on an occasional basis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>M L 341. Special Topics in Classical Literature 3 Units Term Typically Offered: Occasionally Offered Description: Concentration on selected genres, such as epic, pastoral and didactic poetry, drama, historiography, rhetoric. Topics will be announced in schedule of courses. Note: May be repeated once for credit.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>M L 302. Reading, Conversation and Composition II 3 Units Prerequisite(s): M L 301 in appropriate language. Description: Reading, conversation and composition in languages taught on an occasional basis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>M L 342. Grimms' Fairy Tales - WR 3 Units Term Typically Offered: Occasionally Offered Description: An introduction to the literary fairy tales of the brothers Grimm. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

M L 343. Weimar Culture - WR 3 Units

Description: An introduction to the social and political life, literature, film, and fine arts of the German-speaking world from 1918 to 1933.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 350. The Literary Fairy Tale - AH 3 Units

Term Typically Offered: Fall, Spring

Description: An investigation of the literary fairy tale from the Renaissance to the twentieth century.

Note: Cross-listed with HUM 350.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 351. French Literature: Special Topics - WR 3 Units

Description: Reading and discussion of selected works from the Middle Ages to the present.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 352. Topics in German Literature - WR 3 Units

Description: Critical reading and interpretation of selected works on various themes.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: May be repeated under different subtitle, to a maximum of 6 hours.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 353. Russian Literature of the Nineteenth Century - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Reading and discussion of important aspects of Russian thought and culture as reflected in selected works of major writers: Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 354. Russian Literature of the Twentieth Century - WR 3 Units

Term Typically Offered: Spring Odd Years

Description: Reading and discussion of works of modern Russian literature. Authors include Pasternak, Solzhenitsyn, Akhmatova, and others.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 355. Literature of Spain 3 Units

Term Typically Offered: Occasionally Offered

Description: Study of selected works of major writers of Spain. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 356. Latin American Literature 3 Units

Term Typically Offered: Occasionally Offered

Description: Study of selected works of major writers of Latin America. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 361. Modern German Stories - WR 3 Units

Description: Major stories by Hesse, T. Mann and Grass and short stories by Boll as representatives of 20th-century European literature and culture. Treatment of themes such as significance of the individual, relationship between individual and society, and the problems of the artist or exceptional individual.

Note: Approved for the Arts and Sciences upper-level requirement in Written Communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 362. Modern German Fiction - WR 3 Units

Description: Major novels by Boll, Hesse and Grass as representative of 20th-century European literature and culture. Treatment of themes such as significance of the individual, relationship between the individual and society, the problems of the artist as exceptional individual.

Note: Approved for the Arts and Sciences upper-level requirement in Written Communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 363. Modern German Drama - WR 3 Units

Description: Plays by Frisch, Durrenmatt, Borchert, Brecht, Weiss, and Buchner. Treatment of themes such as significance of the individual, relationship between the individual and society, the problems of the artist or exceptional individual.

Note: Approved for the Arts and Sciences upper-level requirement in Written Communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 364. Masterpieces of German Theater - WR 3 Units

Description: The problem of technology as expounded in major plays by Durrenmatt and Brecht. Issues of social justice and their literary treatment in plays by Hauptmann. Male-female relationships and the question of illusion versus reality in dramas by Schnitzler.

Note: Approved for the Arts and Sciences upper-level requirement in Written Communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 365. Women Writers and Filmmakers - WR 3 Units

Description: Explores issues relating to women's lives in the writing of cinematic and fictional texts from 1970s until today; emphasis on foreign-language films. Texts are read in English translation, films are either subtitled or dubbed.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Cross-listed with WGST 373.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 370. Special Topics in Hispanic Studies 3 Units

Term Typically Offered: Spring Odd Years

Description: Focuses on a specific topic related to Hispanic Studies from an interdisciplinary, humanities perspective. Topics announced in the Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 401. CML Honors Seminar: Foreign Cultures 3 Units

Prerequisite(s): Membership in Classical and Modern Languages Honors Program or Arts and Sciences Honors Program.

Description: A seminar required of all students within the departmental honors program. In-depth study of a foreign culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 500. Study Abroad 1-15 Units

Prerequisite(s): Membership in a University of Louisville Language Study Abroad Program or a program approved by the department.

Description: Credit awarded upon demonstration of successful completion of program undertaken with prior approval of the department, including a paper or project and an oral or written examination in the language and culture, administered under the supervision of a faculty member.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 506. Francophone Women Writers - WR 3 Units

Prerequisite(s): Junior standing or faculty consent.

Description: Readings of literary and non-literary texts by women of the French-speaking world.

Note: Cross-listed with WGST 571.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 519. German Intellectual History 3 Units

Prerequisite(s): Consent of instructor.

Description: Consideration of German thought and sensibility from the Middle Ages to the present.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 521. Teaching Techniques in Foreign Languages 3 Units

Prerequisite(s): Current status as a foreign language teacher or consent of instructor.

Description: Teaching methods in foreign languages. Recommended for those teaching or preparing to teach languages.

Note: Cross-listed with LING 521.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 551. Special Topics 3 Units

Prerequisite(s): Consent of instructor.

Description: Special themes and issues of particular significance as reflected in selected works of foreign language, literature or culture. Topics vary.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 552. Special Topics 3 Units

Prerequisite(s): Consent of instructor.

Description: Special themes and issues of particular significance as reflected in selected works of foreign language, literature or culture. Topics vary.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 553. Selected Authors in Foreign Literature 3 Units

Prerequisite(s): Consent of instructor.

Description: The life and works of significant authors chosen from the panorama of foreign literature; their literary and/or cultural impact on society. Authors will vary from semester to semester.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 561. Masterpieces of Russian Literature 3 Units

Description: Reading and discussion of the three greatest masterpieces of Russian literature: Tolstoy's "War and Peace," Dostoevsky's "Brothers Karamazov," and Pushkin's "Eugene Onegin".

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

M L 599. Independent Study 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Consent of department chair.

Description: Independent study in areas not covered in the regular curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Music (MUS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MUS 91. Fundamentals of Music I 0 Units

Term Typically Offered: Fall Only

Prerequisite(s): Music majors only or permission of instructor.

Description: For students who are not prepared for the regular freshman music theory courses.

Note: Does not count for credit toward any degree in the School of Music.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUS 92. Musicianship I 2 Units

Term Typically Offered: Spring Only

Prerequisite(s): Music majors only or permission of instructor.

Description: For students who are not prepared for the regular freshman music theory courses.

Note: Does not count for credit toward any degree in the School of Music.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUS 97. Recital Attendance 0 Units

Grading Basis: Satisfactory/Unsatisfactory

Term Typically Offered: Fall, Spring

Description: To receive a grade of Satisfactory, students must attend a minimum of 12 convocations or recitals for each of the 6 enrollments in MUS 97.

Note: All undergraduate music students must enroll in and complete 6 semesters of MUS 97 Recital Attendance.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUS 100. Introduction to Music Study 1 Unit

Term Typically Offered: Fall Only

Description: Introduction to the multiple dimensions of university life, with emphasis on the music experience. Students will gain an understanding of the various parts of the University – the administration, the faculty, the learning resources, support services, advising, and career planning.

Note: Required of all incoming freshmen and transfer students with fewer than 24 semester hours entering the School of Music.

Note: Course formally titled Camp Culture.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUS 101. Major Applied Study 2 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Faculty consent.

Description: Applied Music: Applied Music courses carry section designations (see specific semester listing) according to the instrument which a student studies. Section designations are attached to course sequences for major instruments, principal instruments, arts, and secondary instruments. Students enroll for credit in these sequences according to the amount of literature and study they expect to cover and according to the instructor's assessment of the student's ability to perform. An applied music student working toward a degree will enroll for four hours credit on a major instrument (MUS 103 or MUS 113 sequence), for two hours credit on a principal instrument (MUS 111 sequence) or jazz instrument (MUS 105 sequence), or one hour credit on an arts instrument (MUS 125 sequence). All others, including special students, will enroll for one hour credit (MUS 121 or MUS 133 sequence). Lessons for applied majors, principals, and jazz applied students are one hour per week. Students in the music secondary (MUS 121) sequence, arts (MUS 125) sequence, and functional (MUS 133) sequence receive one-half hour lesson per week. Instruction is currently available for: Piano, Oboe, Harpsichord, Clarinet, Organ, Saxophone, Harp, Bassoon, Voice, Trumpet, Violin, Horn, Viola, Trombone, Cello, Euphonium, Bass, Tuba, Flute, Percussion, Guitar.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUS 102. Major Applied Study 2 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Faculty consent.

Description: One hour private lesson for performance majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- MUS 103. Major Applied Study** **4 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Faculty Consent.
Description: PIANO: First year. Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year. Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year. Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year. Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven Variations, compositions by Chopin, Debussy, Ravel, Albeniz, Prokofiev, Copland, Concertos by Mozart, Beethoven, Schumann, Chopin, Rachmaninoff. Fifth Year. Advanced work and literature beyond senior level. ORGAN: By the end of the eighth semester, the student should have acquired the ability to play compositions of a grade representative of the more difficult works of Bach Preludes, Fugues, and Sonatas, and representative works by principal composers from the various musical periods. VIOLIN: By the end of the fourth semester, the student should have acquired the ability to play compositions of a grade similar to the Viotti Concerto No. 22, the Spohr Concerto No. 2, Bach and Handel sonatas for violin and piano. By the end of the eighth semester, the student should have acquired an adequate technical background in scales, arpeggios, bowing and phrasing, and the ability to perform works of the difficulty of the Mendelssohn E Minor Concerto, the Bruch G Minor, or the Spohr No. 8. ORCHESTRAL INSTRUMENTS: The courses of study for cello, viola, bass, woodwind, and brass instruments follow the general outline of the violin course, and students of these instruments will be expected to acquire a proficiency comparable to that required for violin. VOICE: By the end of the fourth semester, the student should demonstrate a recognition of the importance of breath management, tone placement, vocal legato, correct singing diction, and a sense of poetic interpretation and musical style; should be able to sing arpeggios, major/minor scales, and various vocalizes as prescribed by the teacher for the student's stage of musical and vocal development; and should have covered a repertoire of twenty (principals) or thirty (majors) songs. By the end of the eighth semester, the student should be able to sing at sight a song of the difficulty level of Schubert's "Heidenroeslein"; should have sung two operatic arias and two oratorio arias in their original languages; should have a knowledge of recitative in both free and measured forms; and should have acquired the vocal and musical expertise to present a recital of 50 minutes of music representing four languages in varying styles and historical periods.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 104. Major Applied Study** **4 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Faculty Consent.
Description: PIANO: First year. Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year. Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year. Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year. Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 105. Jazz Applied** **2 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Faculty consent.
Description: One hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 106. Jazz Applied** **2 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Faculty consent.
Description: One hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 109. Major Ensembles** **1 Unit**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Faculty consent.
Description: Following sections are open to all qualified students of the University after consultation with the director: Symphony Orchestra, Symphonic Band, Early Music Ensemble, Opera Theater, Collegiate Chorale, Black Diamond Choir, Pep Band (Spring only), New Music Ensemble, Marching Band (Fall only), Jazz Ensemble, Concert Band, University Chorus, Wind Ensemble/Wind Symphony, Jazz Repertory Ensemble, Vocal Jazz Ensemble, Community Band, Singing Cardsmen, Women's Chorus.
Note: For undergraduate students only.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 111. Principal Applied Study** **2 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Faculty consent.
Description: One hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MUS 112. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	2 Units	<p>MUS 119. Minor Ensembles 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Study and performance of works for small ensembles. Ensembles include: Brass, Brass Quintet, Clarinet, Flute, Harp, Historical Instruments, Piano, String, Woodwinds. Conducted ensembles include: Techla, Community Band, Guitar Ensemble, Horn Ensemble, Irish Music Ensemble, Instrumental Jazz , Combo, Jazz Improvisation, Opera Workshop, Percussion Ensemble, Historical Brass Ensemble, Saxophone Ensemble, Trumpet Ensemble, Trombone Ensemble, Tuba/Euphonium Ensemble, Steel Drum Ensemble, West African Drum Ensemble, Cardinal Rule. Note: For undergraduate students only. Note: May not be used for credit towards a graduate degree.</p>
<p>MUS 113. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	4 Units	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 114. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	4 Units	<p>MUS 121. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson: a secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 116. Introduction to Music Education 1 Unit Term Typically Offered: Spring Only Description: Introduction to music education in the public schools, P-12. Historical perspectives, philosophies, curricula. Off-campus observations. Note: Must be taken the first spring semester of enrollment in a music education degree program. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	1 Unit	<p>MUS 122. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	1 Unit	<p>MUS 123. Diction 1 Unit Term Typically Offered: Fall Only Description: Class instruction in English, Italian, German, and French diction based upon the understanding and application of the International Phonetic Alphabet.</p>
<p>MUS 118. Introduction to Jazz Improvisation 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Admission to School of Music or by approval of instructor. Description: Introduction to jazz improvisation with emphasis on applications for the music educator/therapist. Development of instructional strategies for use in teaching improvisation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	1 Unit	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 124. Diction 1 Unit Term Typically Offered: Spring Only Prerequisite(s): Grasp of International Phonetic language needed for MUS 124. Description: Class instruction in English, Italian, German, and French diction based upon the understanding and application of the International Phonetic Alphabet. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	1 Unit	<p>MUS 125. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 126. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 132. Piano Class 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUS 131. Description: Two one-hour classes weekly. Prepares the student for the piano proficiency examination. Students must pass the complete piano proficiency examination before receiving credit for the final semester of the piano requirement appropriate for their degree. Students must be enrolled continuously in the class until their piano requirement has been completed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 127. Class Piano-Beginners I 1 Unit Term Typically Offered: Fall, Spring Description: Introduction to basic techniques of practical piano playing. Students do not need prior experience with the piano or with music. Note: Not open to Music majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 133. Functional Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 128. Class Piano-Beginners II 1 Unit Term Typically Offered: Fall, Spring Description: Students should be able to read grand staff notation and be able to play simple hands-together piano pieces. Note: Not open to Music majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 134. Functional Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 129. Cardinal Singers 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Honors choral ensemble with entrance by audition only. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 137. Percussion Methods 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Music Education Major or permission of instructor. Description: Methods, materials, and techniques for class instruction on percussion instruments and materials for the beginning band. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 130. Jazz Piano Class 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUS 132 or approval of instructor. Description: This course is designed to give those unfamiliar with the jazz idiom a basic overview of the following skills as they pertain to the piano: voicings for basic jazz harmonic structures in all keys, basic voice leading, bass line construction, form, and basic improvisation skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 138. Jazz Improvisation 2 Units Term Typically Offered: Spring Only Description: This course is designed to provide the student with an introduction to jazz improvisation. Experience with basic harmony will be accomplished through the practical use of scale - chord relationships, jazz notation, ear training, rhythmic concepts, jazz style, and articulation. Each student will be required to improvise on the instrument of their choice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 131. Piano Class 1 Unit Term Typically Offered: Fall, Spring Description: Two one-hour classes weekly. Prepares the student for the piano proficiency examination. Students must pass the complete piano proficiency examination before receiving credit for the final semester of the piano requirement appropriate for their degree. Students must be enrolled continuously in the class until their piano requirement has been completed. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 141. Theory I 4 Units Term Typically Offered: Fall Only Prerequisite(s): Admission to the School of Music or permission of instructor. Description: An introduction to the principles of harmony and voice leading, coordinated with ear training, sight singing, and keyboard harmony, and incorporating a review of the rudiments of music. Note: Students who do not pass the computer-based Fundamentals Test prior to the beginning of the fall semester are required to enroll in MUS 91 for 0 credits concurrently with MUS 141.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 142. Theory II Term Typically Offered: Spring Only Prerequisite(s): MUS 141; admission to the School of Music or permission of instructor. Description: Further study of harmony and musicianship, including non-chord tones, seventh chords, secondary-function chords, modulation, and elementary form. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>MUS 152. Beginning Class Guitar - AH, D2 Term Typically Offered: Fall, Spring Prerequisite(s): Students must have little or no prior knowledge of the guitar. Description: This introductory course for beginning guitar students establishes and develops fundamental musicianship and technical skills required for guitar playing in any style. Course activities will challenge students to acquire these fundamentals through active learning in daily practice, to think critically about the application of music fundamentals to music performance, and attain an understanding for the guitar and its varied roles in western music through historical and cross-cultural studies. Additional studies will provide basic contextual knowledge of guitar history, literature and repertoire. Assignments include a research paper, performance observations, readings and unit reports. All students may take this course. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>MUS 143. Composition and Orchestration Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 170. Introduction to Musical Acoustics Term Typically Offered: Not Offered Prerequisite(s): Basic knowledge of personal computer operating systems. Description: Introduction to the physical principles of sound waves required to understand the phenomenon of music, the characteristics of musical instruments, and how sound affects rooms, concert hall, and other spaces. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 144. Composition and Orchestration Term Typically Offered: Fall, Spring Prerequisite(s): MUS 143 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 171. Audio Engineering Term Typically Offered: Spring Only Prerequisite(s): Basic knowledge of personal computer operating systems. Description: Provides instruction & hands-on experience in music recording & production using digital audio workstation software & studio hardware. Students will learn how to utilize audio equipment in production studio and in the field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 145. Secondary Composition Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor. Description: For the non-composition major who wishes to study principles and techniques of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 197. Piano Proficiency Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The Proficiency is a gate that must be passed through in order for a student (usually a Sophomore) to gain admission to Senior College Study. The exam covers numerous aspects of a musician's grasp of piano fundamentals, such as: performing a composition from the standard keyboard literature, accompanying a singer or instrumentalist, harmonizing a given melody, sight-reading, and transposition. The Proficiency may be performed all or in part during scheduled times throughout the school year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>
<p>MUS 146. Secondary Composition Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor. Description: For the non-composition major who wishes to study principles and techniques of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 197. Piano Proficiency Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The Proficiency is a gate that must be passed through in order for a student (usually a Sophomore) to gain admission to Senior College Study. The exam covers numerous aspects of a musician's grasp of piano fundamentals, such as: performing a composition from the standard keyboard literature, accompanying a singer or instrumentalist, harmonizing a given melody, sight-reading, and transposition. The Proficiency may be performed all or in part during scheduled times throughout the school year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>
<p>MUS 147. Class Guitar I Term Typically Offered: Fall, Spring Description: To acquire a basic working knowledge of the guitar and its possible functions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 197. Piano Proficiency Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The Proficiency is a gate that must be passed through in order for a student (usually a Sophomore) to gain admission to Senior College Study. The exam covers numerous aspects of a musician's grasp of piano fundamentals, such as: performing a composition from the standard keyboard literature, accompanying a singer or instrumentalist, harmonizing a given melody, sight-reading, and transposition. The Proficiency may be performed all or in part during scheduled times throughout the school year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>
<p>MUS 148. Class Guitar II Term Typically Offered: Spring Only Prerequisite(s): MUS 147 or permission of instructor. Description: Continuation of MUS 147. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 197. Piano Proficiency Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The Proficiency is a gate that must be passed through in order for a student (usually a Sophomore) to gain admission to Senior College Study. The exam covers numerous aspects of a musician's grasp of piano fundamentals, such as: performing a composition from the standard keyboard literature, accompanying a singer or instrumentalist, harmonizing a given melody, sight-reading, and transposition. The Proficiency may be performed all or in part during scheduled times throughout the school year. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>

<p>MUS 198. Jazz Piano Proficiency 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Shows students grasp of basic jazz skills as they pertain to the piano; voicings, basic voice leading, base line construction, form, and basic improvisation skills. Note: Required for jazz majors in the BA or BM degrees.</p>	<p>MUS 204. Major Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: PIANO: First year: Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year: Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year: Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year: Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 201. Major Applied Study 2 Units Term Typically Offered: Fall, Spring Description: One hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 205. Jazz Applied 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 202. Major Applied Study 2 Units Term Typically Offered: Fall, Spring Description: One hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 203. Major Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: PIANO: First year: Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year: Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year: Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year: Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 206. Jazz Applied 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MUS 211. Principal Applied Study 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: For students majoring in composition, music education, music history, music therapy , or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MUS 212. Principal Applied Study 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: For students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MUS 213. Principal Applied Study 4 Units Term Typically Offered: Fall, Spring Description: One hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 214. Principal Applied Study 4 Units Term Typically Offered: Fall, Spring Description: One hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 225. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 217. Class Guitar I for Music Therapy 2 Units Term Typically Offered: Fall, Spring Description: Class Guitar is designed to establish a firm and comprehensive knowledge of the guitar as an accompanying and solo instrument. This course may enhance any pre-existing ability on the guitar, while providing essential rudiments for both the music and non-music major. Note: Prior knowledge & experience in basic musical skills (note reading, basic theory) is preferred, but not required. Note: For Music Therapy majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 226. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 218. Class Guitar II for Music Therapy 2 Units Term Typically Offered: Spring Only Prerequisite(s): MUS 217 or permission of instructor. Description: Designed to enhance the comprehensive knowledge of the guitar as an accompanying and solo instrument. Focus will be on an expansion of appropriate repertoire and accompaniment patterns, as well as to improve on technical exercises and studies. Note: For Music Therapy majors.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 227. Voice Class 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): For music majors in fall and non-music majors in spring. Description: Basic techniques of vocal production. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 228. Elementary School Music Methods 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 231 or MUS 232; admission to teacher education. Description: Organizing, teaching, and supervising a grade school music program. Methods, materials, techniques for singing and playing, rhythmic movement, listening, and other creative experiences in music. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 219. Class Ukulele 1 Unit Term Typically Offered: Spring Only Prerequisite(s): Open only to Music Therapy majors. Description: For students from beginning to intermediate levels to improve their ukulele playing skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 229. Introduction to Woodwinds 1 Unit Term Typically Offered: Fall Only Description: Presents framework to aid student in acquiring knowledge and skills for playing and teaching woodwind instruments. Note: For music education students whose primary instrument is keyboard, voice, or strings.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 221. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 231. Piano Class III 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUS 131 and MUS 132. Description: Two one-hour classes weekly. Prepares the student for the piano proficiency examination at the end of MUS 231. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 222. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>MUS 232. Piano Class IV Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): MUS 131, MUS 132, and MUS 231. Description: Review course for students who need to complete MUS 297. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>	<p>MUS 242. Theory IV Term Typically Offered: Spring Only Prerequisite(s): MUS 241; admission to the School of Music or permission of instructor. Description: Late 19th-century and 20th-century compositional techniques and styles, including expanded tonality, non-serial-tonality, serialism, aleatory, and electronic music. Advanced ear training, sight singing, and keyboard harmony. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>MUS 233. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 243. Composition and Orchestration Term Typically Offered: Fall, Spring Prerequisite(s): MUS 142 and MUS 144, or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Note: Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 234. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 244. Composition and Orchestration Term Typically Offered: Fall, Spring Prerequisite(s): MUS 243 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Note: Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 235. Woodwind Methods Term Typically Offered: Fall Only Prerequisite(s): For Music Education students only whose principle instrument is brass, woodwind, or percussion. Description: Presents framework to aid student in acquiring knowledge and skills for playing and teaching the five main woodwind instruments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 245. Secondary Composition Term Typically Offered: Fall, Spring Prerequisite(s): MUS 146. Description: For the non-composition major who wishes to study principles and techniques of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 236. Advanced Woodwind Methods Term Typically Offered: Spring Only Prerequisite(s): MUS 235. Description: For students who need two semesters of Woodwind Methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 246. Secondary Composition Term Typically Offered: Fall, Spring Prerequisite(s): MUS 245. Description: For the non-composition major who wishes to study principles and techniques of composition. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 241. Theory III Term Typically Offered: Fall Only Prerequisite(s): MUS 142; admission to the School of Music or permission of instructor. Description: Chromatic harmony, creative writing in 18th- and 19th-century style, further study of form. Ear training, sight singing and keyboard harmony coordinated with written work. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>MUS 252. Introduction to Brass Term Typically Offered: Fall Only Description: Introduction to Brass family, focusing on trumpet, horn, trombone, and tuba. Note: For students who lack strong background on wind instruments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>

<p>MUS 253. Brass Methods 1 Unit Term Typically Offered: Fall Only Description: Focus on development of strong pedagogical skills through performance on trumpet, horn, trombone, euphonium, and tuba. Note: For Music Education majors with strong background in brass, woodwind or percussion instruments.</p>	<p>MUS 271. Sound Design 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 170. Description: Introduces students to sound design in a broad & diverse manner, focusing on generative & sound design projects for music composition, film, video games, installation art, sound art and multimedia & commercial projects.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 254. Advanced Brass Methods 1 Unit Term Typically Offered: Spring Only Prerequisite(s): MUS 253. Description: To further develop understanding of brass instruments through more intensive performance experience. Primarily for woodwind and percussion music education majors to bolster their comfort and experience performing on brass instruments introduced in MUS 253. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 297. Piano Proficiency 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The Proficiency is a gate that must be passed through in order for a student (usually a Sophomore) to gain admission to Senior College Study. The exam covers numerous aspects of a musician's grasp of piano fundamentals, such as: performing a composition from the standard keyboard literature, accompanying a singer or instrumentalist, harmonizing a given melody, sight-reading, and transposition. The Proficiency may be performed all or in part during scheduled times throughout the school year.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 265. Service Playing I 2 Units Term Typically Offered: Not Offered Description: Historical survey of Christian Hymnody. Classification and use of hymn texts and tunes. Note: Required of all organ majors.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 266. Service Playing II 2 Units Term Typically Offered: Not Offered Description: Historical survey of Christian Hymnody. Classification and use of hymn texts and tunes. Note: Required of all organ majors.</p>	<p>MUS 301. Major Applied Study 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 267. Music Theory Seminar 0.5 Units Term Typically Offered: Fall, Spring Description: Survey current articles, prepare and discuss analyses, and survey current activities and practices in music theory. Note: Course can be repeated.</p>	<p>MUS 302. Major Applied Study 2 Units Term Typically Offered: Fall, Summer Prerequisite(s): Faculty consent. Description: One-hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 270. Creative Audio Recording and Production Techniques 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Open to composition students: available to others by permission of department. Description: Introduces students to the techniques and aesthetics as well as the theory and practices of computer generated/assisted music and composition.</p>	<p>MUS 303. Major Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>MUS 304. Major Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty Consent. Description: PIANO: First year. Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year. Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year. Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year. Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 314. Principal Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 305. Jazz Applied 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 321. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 306. Jazz Applied 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 322. Secondary Applied Study 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 311. Principal Applied Study 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 325. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 312. Principal Applied Study 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 326. Arts Instrument 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 313. Principal Applied Study 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 328. Frameworks for Teaching Music in a Diverse Society 2 Units Term Typically Offered: Spring Only Prerequisite(s): MUS 228 and admission to teacher education. Description: Introduces methods used for teaching music to children in sixth grade through high school. Special topics, special populations, and discipline are investigated in detail. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 331. Piano Class Term Typically Offered: Fall, Spring Prerequisite(s): MUS 231 or MUS 232. Description: Standard keyboard needs for the choral teacher, the voice coach, and the teacher in the general music classroom. The course prepares the student for the second piano proficiency examination. Note: For music education vocal emphasis only.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 337. Marching Band Methods Term Typically Offered: Fall, Spring Prerequisite(s): Admission to teacher education. Description: Covers administration and management of the high school marching band as part of a total instrumental music program in the public schools. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 332. Piano Class Term Typically Offered: Fall, Spring Prerequisite(s): MUS 231 or MUS 232, and MUS 331. Description: Standard keyboard needs for the choral teacher, the voice coach, and the teacher in the general music classroom. The course prepares the student for the second piano proficiency examination. Note: For music education vocal emphasis only.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 338. Jazz Methods Term Typically Offered: Spring Only Prerequisite(s): MUS 242 or permission of instructor, and admission to teacher education. Description: This course is designed as an upper division course for juniors and/or seniors who are preparing for a career in secondary music education. It will address the necessary skills for developing and directing a successful jazz band/choir program on the secondary level. The course will explore the historical and philosophical basis for jazz/band choir as an integral part of a comprehensive music curriculum and will provide methodology for interpreting jazz notation and teaching jazz style and improvisation. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>2 Units</p>
<p>MUS 333. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 334. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 339. String Pedagogy and Educational String Literature Term Typically Offered: Fall Only Prerequisite(s): MUS 335 and MUS 336 or permission of instructor, admission to teacher education. Description: This course is designed for the string education specialist or as an elective for string performance majors. Included will be a survey of orchestra literature for middle/high school orchestra and the structuring of a private teaching studio and a survey of appropriate solo and etude literature. May include discussion of the Suzuki Method. Note: Optional Practicum. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>1 Unit</p>
<p>MUS 335. String Methods I Term Typically Offered: Fall Only Description: Methods, materials, and techniques for class instruction on string instruments and materials for the string orchestra. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 336. String Methods II Term Typically Offered: Spring Only Prerequisite(s): MUS 335. Description: Methods, materials, and techniques for class instruction on string instruments and materials for the string orchestra. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 340. Jazz Improvisation II Term Typically Offered: Fall Only Prerequisite(s): MUS 138 or permission of instructor. Description: This course is designed to provide the student with the opportunity to experience jazz improvisation through the study, memorization, and performance of standard jazz repertoire. Harmonic, melodic, and rhythmic concepts will be stressed as they apply to the jazz idiom. Extensive ear training, work with II V 7 I progressions, transcribed solos by master improvisors and student compositions will provide additional study material. Each student will be required to improvise on the instrument of their choice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>

<p>MUS 342. Band Pedagogy and Educational Wind Band Literature 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Admission to teacher education. Description: Survey of band literature for middle/high school band and appropriate secondary level solo and etude literature, and the structuring of a private teaching studio. Note: For wind, brass, or percussion education specialist or as an elective for performance major in these areas.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 348. Analysis II 2 Units Term Typically Offered: Spring Only Prerequisite(s): MUS 347. Description: An analytical study of harmonic, contrapuntal, and formal procedures as found in the works of such composers as Bach, Haydn, Mozart, Beethoven, Schubert, Mendelssohn, Chopin, etc. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 343. Composition and Orchestration 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 244 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 349. Jazz Analysis 2 Units Term Typically Offered: Spring Only Prerequisite(s): MUS 241. Description: Comparative analytical study of harmonic, melodic, and formal procedures as found in American Jazz music. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 344. Composition and Orchestration 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 343 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 350. Analysis of Electronic Media 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 271. Description: A study of analytical approaches applied to electronic music & sound art, with a focus on auditory exploration that will facilitate & deepen an organized listening of sound. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 345. Orchestral Scoring 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 141, MUS 142, MUS 241 for BA students, MUS 242 for all other majors. Description: To become familiar with characteristics, technical capabilities, and idiomatic uses of orchestral instruments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 351. Studies in Jazz 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 242 or permission of instructor. Prerequisite(s): Permission of instructor. Description: Section 01 Jazz Style and Analysis Explores through style analysis and transcriptions the major contributions to the art of soloing in a historical context. Section 02 Jazz Theory Focus on understanding jazz improvisation through the study of harmony, chord and scale function, form rhythm, meter and articulation as they relate to the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 346. Band/Choral Scoring 2 Units Term Typically Offered: Spring Only Prerequisite(s): Completion of core theory for BA students, MUS 242 for all other majors. Description: To become familiar with characteristics, technical capabilities, and idiomatic uses of band instruments and voices. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 352. Jazz Repertoire 2 Units Term Typically Offered: Fall Only Prerequisite(s): Successful completion of Jazz Barrier Exam or by approval of instructor. Description: Focus on introducing and expanding the student's knowledge of repertoire associated with the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 347. Analysis I 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 241. Description: An analytical study of harmonic, contrapuntal, and formal procedures as found in the works of such composers as Bach, Haydn, Mozart, Beethoven, Schubert, Mendelssohn, Chopin, etc. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 353. Contemporary Composition Techniques I 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 142 (or AP equivalent) or permission of instructor. Description: Introduction to compositional techniques of varying styles and aesthetics common in 20th / 21st century composition. Note: students should have basic knowledge of industry standard music notation software.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

- MUS 354. Contemporary Composition Techniques II** 2 Units
Term Typically Offered: Fall Only
Prerequisite(s): MUS 242 and MUS 353, or permission of instructor.
Description: Introduction to compositional techniques of varying styles and aesthetics common in 20th / 21st century composition. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 355. The Evolution of Jazz** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): MUS 138, MUS 242, MUS 361, MUS 362, and MUS 363; or permission of instructor.
Description: Traces the evolution of jazz from origins to present. Focus on development of various stylistic trends through innovators of each stylistic trend. Socio-economic factors influencing the music. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 359. Conducting I** 2 Units
Term Typically Offered: Spring Only
Prerequisite(s): MUS 141, MUS 142, and MUS 241.
Description: Introduction to and experience with the fundamental gestures, terms, and procedures involved in leading a musical ensemble. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 360. Conducting II** 2 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): MUS 359.
Description: A continuation of MUS 359 with specific emphasis on the conducting of ensembles of one of the following types: (1) Choral or (2) Instrumental
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 361. Music Literature I (1000-1750)** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): MUS 141 and MUS 142; permission of instructor required for non-music majors.
Description: Study of selected topics relating to development or history from 1000-1750.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 362. Music Literature II (Classical & Early Romantic Music)** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): MUS 141 and MUS 142; permission of instructor required for non-music majors.
Description: Study of selected topics relating to development of music history from Classical to early Romantic music.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 363. Music Literature III (1860-present)** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): MUS 141 and MUS 142; permission of instructor required for non-music majors.
Description: Study of selected topics relating to development of music history from 1860-present.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 370. Seminar in Music History** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): MUS 361 and permission from the department.
Description: Study of selected topics relating to development or history in one of the following subject areas: - History of Chamber Music (solo and ensemble music), - History of Secular Vocal Music (opera, cantata, and art song), - History of Orchestral Music (concerto and symphony), - History of Sacred Vocal Music (mass, oratorio, magnificat, passion, and cantata), - Traditional Music of Kentucky and the South (ballads, dance tunes, old time, bluegrass, and shape note music), - Opera Repertory - History of Jazz (surveys blues, traditional jazz, swing, bebop, free, and progressive). Opera Repertory.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 371. Piano Pedagogy I** 3 Units
Term Typically Offered: Fall Only
Description: A survey of piano teaching procedures, beginning methods, and materials for the elementary student, including observation of private instruction and supervised teaching.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 372. Piano Pedagogy II** 3 Units
Term Typically Offered: Spring Only
Description: A survey of piano teaching procedures, methods, and materials for the intermediate student including observation of private instruction and supervised teaching.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- MUS 375. Music History Tutorial** 0.5 Units
Term Typically Offered: Occasionally Offered
Description: Engages students with topics and methodologies pertinent to working with music of specific historical periods.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MUS 376. Sound Art Term Typically Offered: Spring Only Prerequisite(s): MUS 270 or permission of instructor. Description: Course takes an experimental approach to sound as it shapes aesthetic space and times, and explores the forms that shape the medium. Emphasis on expanded process of listening and investigates the capacity of sound to change our perceptions of ourselves, one another, and spaces we traverse, and the environments we inhabit. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 403. Major Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty Consent. Description: PIANO: First year: Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year: Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year: Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year: Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>MUS 397. Junior Recital Grading Basis: Credit/No Credit Term Typically Offered: Fall, Spring Description: A grade of "CR" credit will be given when the recital is complete. A student must be simultaneously enrolled in at least one applied music course. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>	<p>MUS 404. Major Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty Consent. Description: PIANO: First year: Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year: Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year: Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year: Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>MUS 400. Theory Review Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Review of undergraduate theory coursework for entering graduate students who do not pass the Graduate Theory Entrance Exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>	<p>MUS 405. Jazz Applied Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 401. Major Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 406. Jazz Applied Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 402. Major Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 411. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>

<p>MUS 412. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 428. Choral Techniques Term Typically Offered: Spring Only Prerequisite(s): MUS 359 and admission to Teacher Education. Description: Emphasizes vocal problems from the standpoint of the choral conductor or song leader. Note: Best if taken concurrently with MUS 360. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>2 Units</p>
<p>MUS 413. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for piano performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 414. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One hour private lesson for piano performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>MUS 433. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 421. Secondary Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 434. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 422. Secondary Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 435. Jazz Arranging I Term Typically Offered: Fall Only Prerequisite(s): MUS 242 or permission of instructor. Description: This course is designed to familiarize the student with all of the rudimentary techniques associated with the art of arranging jazz music. Two- and three-part writing techniques associated with the traditional jazz combo will be the focus. Fundamentals of instrument range, transposition, low interval limits, and performance variants will be covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 425. Arts Instrument Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 436. Jazz Arranging II Term Typically Offered: Spring Only Prerequisite(s): MUS 435 or permission of instructor. Description: This course will focus on fundamental four-part writing techniques associated with the big band jazz ensemble. Idiomatic use of counterpoint and harmonic substitution will be given emphasis. The principal, mainstream big band and traditional styles and forms will be a substantial component of study. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 426. Arts Instrument Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>		

<p>MUS 437. Jazz Arranging III 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 436 or permission of instructor. Description: This course will focus on arranging and orchestrating for the studio recording orchestra with a carry over into pops orchestra scoring techniques. Ranges and capabilities of orchestral instruments will be covered as will traditional and contemporary groupings of these instruments. Line cliché, harmonic and melodic devices, and form will be of specific focus. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 461. Baroque Keyboard Lit 2 Units Term Typically Offered: Occasionally Offered Description: Survey of Keyboard Literature from the Middle Ages to the end of the Baroque Period. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 440. Jazz Improvisation III 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 340 and at least four semesters of MUS 119 or MUS 109, or by approval of instructor. Description: To increase the student's ability to improvise over standard chord progressions in various keys and at a variety of tempos. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 471. Piano Pedagogy III 3 Units Term Typically Offered: Fall Only Description: A continuation of MUS 371 and MUS 372, emphasizing group and adult piano teaching. Includes observation and supervised practice teaching. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 441. Composition Seminar 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Corequisite(s): MUS 143, MUS 144, MUS 243, MUS 244, MUS 343, MUS 344, MUS 443, or MUS 444. Description: May be repeated for a total of eight semesters. A forum for compositional topics, issues, and activities. Intended for theory/composition majors; open to others by special permission of instructor. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 472. Piano Pedagogy IV 3 Units Term Typically Offered: Spring Only Description: A continuation of MUS 371 and MUS 372, emphasizing advanced levels of piano teaching. Includes observation and supervised practice teaching. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 443. Composition and Orchestration 2 Units Term Typically Offered: Spring, Summer Prerequisite(s): MUS 344 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 475. Pedagogy Practicum I 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Taken simultaneously with the 3rd semester of pedagogy courses. Description: To teach weekly lessons to a beginning elementary student. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 444. Composition and Orchestration - CUE 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 443 or permission of instructor. Corequisite(s): MUS 441. Description: Principles and techniques for students of composition. Public presentation required. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 476. Pedagogy Practicum II 1 Unit Term Typically Offered: Spring Only Prerequisite(s): Taken simultaneously with the 4th semester of pedagogy courses. Description: To teach weekly lessons to a beginning elementary student. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 477. Special Topics in Music & New Media 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 270, MUS 271, or permission of instructor. Description: Variable topics focusing on advanced topics relevant to the intersections between the arts and technology. Note: Course may be repeated as topics vary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 477. Special Topics in Music & New Media 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 270, MUS 271, or permission of instructor. Description: Variable topics focusing on advanced topics relevant to the intersections between the arts and technology. Note: Course may be repeated as topics vary. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 480. Entrepreneurship for the 21st Century Musician 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Open to juniors and seniors. Description: This course is part of a broader effort to transform the ways in which we prepare 21st-century musicians by cultivating the creative and imaginative powers that reside at the heart of the artist-entrepreneur. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 499. Senior Research Paper/Project - CUE 1-4 Units Term Typically Offered: Fall, Spring Description: CUE course paper project for Music History majors. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>MUS 495. Senior Research Paper/Project - CUE 0 Units Term Typically Offered: Occasionally Offered Description: BM Pre-Certification students will present either 1) a teaching/lecture demonstration live or documented on video, or 2) a curriculum development project as a culminating undergraduate experience(CUE). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 500. Music History Review 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: The purpose of the course is to provide the student with a reasonable method of removing deficiencies revealed by the Graduate Entrance Examination. No graduate student will be allowed to enroll in any graduate course in a historical period in which he has failed to pass the corresponding section of the Graduate Entrance Examination until he has removed his deficiency in the history of the subject. Areas covered are: deficiencies within the period from the Middle Ages to 1530; deficiencies within the period between 1530 and 1750; deficiencies within the period between 1750 and 1850; and deficiencies within the period from 1850 to the present.</p>
<p>MUS 496. BA Capstone Project 0 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Senior standing in BA Music (General or Jazz). Description: Project to be determined in consultation with an advisor and approved by the Director of Undergraduate Studies. Options include but not limited to a recital, paper, internship, or service project. Note: May require a co-enrollment in appropriate course(s).</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 501. Major Applied Study 2 Units Term Typically Offered: Fall, Spring Description: One-hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 497. Senior Recital - CUE 0 Units Grading Basis: Credit/No Credit Term Typically Offered: Fall, Spring Description: A grade of "CR" credit will be given when the recital is complete. A student must be simultaneously enrolled in at least one applied music course. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>	<p>MUS 502. Major Applied Study 2 Units Prerequisite(s): Faculty consent. Description: One-hour private lesson for performance majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 498. Thesis Guidance - CUE 2-4 Units Term Typically Offered: Fall, Spring Description: CUE course thesis for Theory majors. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 503. Major Applied Study 4 Units Prerequisite(s): Faculty Consent. Description: PIANO: First year: Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year: Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year: Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year: Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 504. Major Applied Study Prerequisite(s): Faculty Consent. Description: PIANO: First year. Student will study scales and arpeggios, Bach 2-Part Inventions, Sonatas by Haydn or Mozart, and compositions by such composers as Beethoven, Schubert, Chopin, Mendelssohn, Grieg. Second Year. Student will study scales and arpeggios, and literature equivalent to Bach 3-Part Inventions or French Suites, Sonatas by Beethoven or Schubert, Mozart Fantasia or Rondo, Scarlatti Sonatas, compositions by Chopin, Schumann, Brahms, Debussy. Third Year. Student will study technical materials and such materials as Bach English Suites or Preludes and Fugues, Sonatas by Mozart of Beethoven, Haydn Variations, Mozart Concertos or compositions by Chopin, Liszt, Rachmaninoff, Debussy. Fourth Year. Student will study technical materials and such materials as Bach Partitas and Preludes and Fugues, Sonatas by Beethoven, Schumann, or Chopin, Mozart or Beethoven</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>MUS 512. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 505. Jazz Applied Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 513. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>MUS 506. Jazz Applied Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson focusing on the jazz idiom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 514. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>
<p>MUS 509. Major Ensembles Term Typically Offered: Fall, Spring Prerequisite(s): Graduate standing in music or by permission of instructor. Description: Symphony Orchestra; Symphonic Band; Early Music Ensemble; Opera Theater; Jazz Ensemble; Jazz Repertory Ensemble, Concert Band; Pep Band; Wind Ensemble; Wind Symphony, New Music Ensemble; Marching Band; University Chorus; Collegiate Chorale, Vocal Jazz Ensemble, Singing Cardsmen, Women's Chorus, Jazz Lab. Note: May not be used for credit towards a graduate degree.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 519. Minor Ensembles Term Typically Offered: Fall, Spring Prerequisite(s): Graduate standing in music or by permission of instructor. Description: Study and performance of works for small ensembles: Piano; String; Woodwind; Brass or Percussion Ensemble; Improvisation; Guitar; Jazz Combo (Instrumental); Jazz Ensemble; Brass Chamber Music, Historical Brass Ensemble, Trombone, Tuba or Tuba/Euphonium; Saxophone Ensemble; Opera Workshop; Clarinet, Flute, Harp Ensemble; Community Band; Historical Instruments and Techla, Cardinal Rule. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0.5 Units</p>
<p>MUS 511. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 521. Secondary Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 512. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for students majoring in composition, music education, music history, music therapy, or theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 522. Secondary Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: A secondary applied music course carried in addition to the student's major or principal field. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 513. Principal Applied Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One-hour private lesson for piano pedagogy majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>4 Units</p>	<p>MUS 525. Arts Instrument Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>

<p>MUS 526. Arts Instrument Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: Half-hour private lesson for students pursuing the Bachelor of Arts in Music degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 535. Music Industry I Term Typically Offered: Fall, Spring Prerequisite(s): Sixty credit hours earned. Description: A study of current practices affecting the professional musician and a survey of career opportunities relating to music and industry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 527. Choral Music in the Modern Secondary School Term Typically Offered: Occasionally Offered Description: Procedures and techniques for use with the high school chorus including such topics as selection of repertoire, voice production, diction, rehearsal psychology, and performance practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 536. Music Industry II Term Typically Offered: Occasionally Offered Prerequisite(s): MUS 535. Description: Continuation of MUS 535. Includes broadcast, performance, marketing, retail sales, audio/video engineering, publishing, law, and labor relations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 528. Musicians' Wellness Term Typically Offered: Fall, Spring Description: An intellectual and experiential understanding of the Alexander Technique and technique of "respiration awareness" mediation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>	<p>MUS 537. Advanced Techniques for Marching Bands Term Typically Offered: Occasionally Offered Prerequisite(s): MUS 337 or permission of instructor. Description: Problems in preparing the halftime show. Arranging for the marching band. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 529. Cardinal Singers Term Typically Offered: Fall, Spring Description: Honors choral ensemble with entrance by audition only. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0.5 Units</p>	<p>MUS 538. Studies in Pedagogy Term Typically Offered: Fall, Spring Prerequisite(s): Upper Division or graduate standing. Description: Pedagogy studies on specific instruments. Offered under separate sections. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>
<p>MUS 530. Choral Literature I Term Typically Offered: Fall, Spring Description: A survey of choral literature from chant to c.1750. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>	<p>MUS 539. Studies in Jazz Term Typically Offered: Fall, Spring Prerequisite(s): Vary by section, see course description. Description: Focus on aural skills, transcription methods, and advanced jazz harmony topics. Extended functional harmony and advanced rhythmic concepts. Examples will focus on transcribed solos by established jazz masters. Sections include: (01) Jazz Style Analysis, Prereq: Theory IV and MUS 138 and permission of instructor. Explores jazz style through analysis of historically significant transcribed solos as played by jazz masters (02) Advanced Jazz Theory, Prereq: Jazz Theory I or passing grade on Jazz Theory Entrance Exam. (03) Standard Jazz Repertoire Prereq: MUS 138 and permission of instructor. Focuses on learning compositions from standard jazz repertoire. While improvisation is stressed as an important part of the learning process, the main objective will be to learn and memorize melodies and chord progressions of selected pieces from a number of musical styles. Each class session will concentrate on a specific style, composer, and/or type of composition tune. A variety of tempos and keys will be chosen. Selected compositions may be performed with play-a-long recordings or with other students in class. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 531. Choral Literature II Term Typically Offered: Fall, Spring Description: A survey of choral literature from c.1750 to present. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>		
<p>MUS 533. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>		
<p>MUS 534. Functional Study Term Typically Offered: Fall, Spring Prerequisite(s): Faculty consent. Description: One half-hour private lesson weekly in an applied area. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>1 Unit</p>		

<p>MUS 541. Private Non-Major Music Composition I 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to graduate music study or permission of the instructor. Description: Composition study for graduate students who are not composition or music theory majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 548. Post-Tonal Theory and Analysis 2 Units Term Typically Offered: Fall Only Prerequisite(s): MUS 547. Description: Survey of post-tonal theory. Analysis of centric, atonal, serial, and other music composed since 1900. Note: Credit not allowed for both MUS 548 and MUS 648. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 542. Private Non-Major Music Composition II 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to graduate music study or permission of the instructor. Description: Composition study for graduate students who are not composition or music theory majors. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 549. Renaissance Counterpoint 2 Units Term Typically Offered: Fall Only Prerequisite(s): Upper division or graduate standing. Description: A study of 16th-century vocal polyphony in the style of Palestrina, Lassus, et al.; including stylistic composition in two or more voices. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 543. Advanced Composition 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor. Corequisite(s): MUS 441 for undergraduates, MUS 669 for graduates. Description: Continuation of MUS 444. Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 550. Baroque Counterpoint 2 Units Term Typically Offered: Spring Only Prerequisite(s): Upper division or graduate standing. Description: A study of 18th-century counterpoint, emphasizing Bach's style and forms, including stylistic composition in two or more voices. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 544. Advanced Composition 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Permission of Instructor. Corequisite(s): MUS 441 for undergraduates and MUS 669 for graduates. Description: Continuation of MUS 543. Public presentation required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 551. Studies in Improvisation 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Upper division, graduate standing in music, or permission of instructor. Description: Improvisation and open-form music are explored through creation and performance, and the study of various improvisation traditions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 545. Advanced Instrumental Scoring 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Undergraduate orchestration course or permission of instructor. Description: Analysis of orchestration techniques by 19th- and 20th-century composers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 552. Pedagogy of Theory 2 Units Term Typically Offered: Fall, Spring Description: Analysis and discussion of various methods of teaching the elements of music theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 547. Chromatic Harmony and Analysis 2 Units Term Typically Offered: Spring Only Prerequisite(s): MUS 242 and MUS 347. Description: A study of chromatic harmony and voice leading, expanded tonality, and extended forms. Analysis of music of the late 19th and early 20th centuries; creative writing in styles of this period. Note: Credit not allowed for both MUS 547 and MUS 647. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 555. Instrument Repair 2 Units Term Typically Offered: Not Offered Description: Repair of woodwind and brass instruments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>MUS 557. Piano Technology I 2 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of instructor. Description: Study of the complex inner workings of the piano. Includes basics of tuning and maintenance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 558. Piano Technology II 2 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MUS 557 or permission of the instructor. Description: Study of the complex inner workings of the piano. Includes basics of tuning and maintenance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 565. Church Music Literature 2 Units Term Typically Offered: Not Offered Description: Designed to acquaint the student with church music repertoire of the past and present and to give practical training in service playing and accompanying. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 559. Instrumental Conducting and Score Reading 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 346 or permission of instructor. Description: Conducting techniques and problems for the public school instrumental director. Reading from full score. Survey of literature. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 566. Church Music Literature 2 Units Term Typically Offered: Not Offered Description: Designed to acquaint the student with church music repertoire of the past and present and to give practical training in service playing and accompanying. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 561. Literature 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 361 series or permission of instructor. Description: Offered under the various subtitles/sections: (01) Piano Literature I: A survey of piano repertoire from the Baroque and Classical Eras. (02) Band Literature: A survey of literature for wind and percussion instruments in large ensemble combinations focusing upon material for the standard instrumentation of the concert band. Emphasis will be given to dramatic change in the repertoire from 1950 to the present, particularly the implications for instrumental music education. Course work will include both artistic and practical considerations with study of works by Hindemith, Stravinsky, Schoenberg, Persichetti, Gould, and Ives. (03) Organ Literature: A comprehensive study in the field of organ literature from Schlich to Hindemith. No performance required. (05) Vocal Literature: A survey of vocal literature from the 18th century to the present day, with emphasis on standard repertoire. Program analysis and program building. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 567. Introduction to Electronic and Computer Music 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 270 or permission of instructor. Description: Introduction to computer music studio, including MIDI sequencing, analog and FM sound synthesis, digital recording and editing, video synchronization, multimedia applications, and comprehensive study of the literature and styles of the class tape studios. Note: Cross-listed with MUS 667. Note: Credit not allowed for both MUS 567 and MUS 667. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 562. Literature 2 Units Term Typically Offered: Fall, Spring Description: A survey of piano repertoire from the Romantic and Modern Eras. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 568. Advanced Topics in Computer Music 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUS 567 or permission of instructor. Description: Study of advanced synthesis techniques, digital sampling, direct digital synthesis, and study of recent literature and trends in computer music. Note: Crosslisted with MUS 668. Note: Credit not allowed for both MUS 568 and MUS 668. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUS 563. Literature 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Upper division or graduate standing. Description: Performance Literature for specific instruments. Offered under separate sections. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>MUS 564. Literature 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Upper division or graduate standing. Description: Performance Literature for specific instruments. Offered under separate sections. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>MUS 570. Studies in Music History 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): See note below. Description: Areas of study are Medieval Music, Renaissance Music, Baroque Music, Viennese Classicism, Romantic Music, Twentieth-Century Music, Jazz, Opera Repertory. MUS 570, MUS 580, and MUS 585 - MUS 586 are intended for master's degree students or advanced undergraduates admitted by permission of the instructor and with the recommendation of the undergraduate advisor. The following criteria, subject to adjustment by the instructor according to the nature of the course and its organization, will distinguish the work of students registered under one or the other number. Students enrolled in either 500- or 600-level courses are required to write term papers. Research papers at the 600-level are expected to demonstrate originality and the ability to use resources in at least one foreign language, and in general are expected to be of a quality appropriate to a professional paper. While students enrolled at either level are required to participate in a seminar by presenting reports and papers, those registered at the 600-level may be required to assume full responsibility for the development and direction of a study, by the whole class, of a particular subject or problem. Note: Master's degree students may enroll in these courses at the 600-level under two conditions: 1) when 600-level courses are required by a specific curriculum (eg, MM in Music History), and 2) with the approval of the student's advisor.</p>	<p>MUS 576. Multimedia Production 2 Units Term Typically Offered: Fall, Spring Description: Introduction to technical aspects of creating multimedia projects with audio and video hardware and software. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 577. Marching Band Drill Writing 2 Units Term Typically Offered: Fall, Spring Description: Introduces principles of contemporary and traditional drill writing techniques and styles. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 578. The Music of the Black Church 3 Units Term Typically Offered: Fall, Spring Description: This course is designed for the upper division or graduate student in music or Pan-African studies and explores the historical and musical development of African American sacred music from slavery to the present; from Spirituals to traditional and contemporary Gospel music. Special emphasis is given to the impact that this music has had on African-American culture in the United States, which represents a synthesis of African and European cultures into a unique hybrid with its own tradition of development. Note: Cross-listed with PAS 578.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 571. Pedagogy 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Varies by section—see description. Description: Topics vary by section. Sections include: (01) Piano Pedagogy: Prereq: MUS 371, MUS 372, MUS 471, MUS 472. Examination, evaluation, and discussion of piano teaching materials at all levels. (03) Advanced Brass Pedagogy Teaching, observing, study, research, and lecture of brass teaching techniques Prereq: For seniors or graduate students only. (05) Voice Pedagogy: Prereq: 3 years of college-level voice study. For advanced students wishing to study the principles and techniques involved in teaching voice, with supervised practice teaching designed to give practical studio teaching experience. (6) Organ Pedagogy Prereq: For Seniors or Grad Study only. Basic concepts of approaching & teaching beginning, intermediate, and advanced organ students. (07) Jazz Pedagogy Addresses pedagogical techniques of teaching jazz. Prereq: MUS 242 and MUS 351, or graduate student standing.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 579. 21st-Century Entrepreneurship for Musicians 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): Open to Juniors, Seniors, and graduate music majors. Description: Part of a broader effort to transform the ways in which we prepare 21st-century musicians by cultivating the creative and imaginative powers that reside at the heart of the artist-entrepreneur. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 580. Seminars in the Music of the Great Composers 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): For masters students or for advanced undergraduates admitted by permission of the instructor and with the recommendation of the undergraduate advisor. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUS 572. Pedagogy 2 Units Term Typically Offered: Fall, Spring Description: Refer to: MUS 571. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUS 582. Seminar in Historical Performance Practice 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Graduate standing or faculty consent. Description: Study and application of performance techniques from different eras based on period sources and modern study. Note: Knowledge of one foreign language helpful, but not required.</p>
<p>MUS 575. Music Production 2 Units Term Typically Offered: Fall, Spring Description: Introduction to computer-based music recording and production using state-of-the-art software. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>MUS 583. Notation and Analysis Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of instructor. Description: Paleography, transcription and editing of musical manuscripts and publications through the Renaissance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MUS 591. Special Topics Term Typically Offered: Fall, Spring Prerequisite(s): Permission of instructor. Description: One or more advanced topics not treated comprehensively in regular course offerings. To understand why different interpretations of a musical piece are chosen and help student acquire tools to be an independent musician. Note: May be repeated for credit when topics vary. Note: Credit not allowed for both MUS 591 and MUS 691 on the same topic.</p>	<p>1-3 Units</p>
<p>MUS 585. Seminars in the History of Forms, Media, Philosophy, or Techniques of Composition Term Typically Offered: Fall, Spring Prerequisite(s): For master's students or for advanced undergraduates admitted by permission of the instructor and with the recommendation of the undergraduate advisor. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>MUS 592. Suzuki Violin Teacher Training Prerequisite(s): Violin students playing at a minimum level of Seitz Concerto No.5, Movement I, and Vivaldi Concerto in A Minor Movement 3. Description: An understanding of and training in the Suzuki approach to violin instruction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
<p>MUS 586. Composition for Digital Media I Term Typically Offered: Fall, Spring Prerequisite(s): MUS 567, MUS 568, and upper division standing in the School of Music. Description: Focus on advanced techniques, theory, and practices of computer-generated/assisted music composition. Note: Credit not allowed for both MUS 586 and MUS 683. Note: Crosslisted with MUS 683.</p>	<p>2 Units</p>	<p>MUS 597. Recital Term Typically Offered: Fall, Spring Description: A grade of "CR" credit will be given when the recital is complete. A student must be simultaneously enrolled in at least one applied music course. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>			
<p>MUS 587. Composition for Digital Media II Term Typically Offered: Fall, Spring Prerequisite(s): MUS 567, MUS 568, and MUS 586; upper-division standing in the School of Music. Description: Continuation of topics studied in MUS 586. Note: Cross-listed with MUS 684. Note: Credit not allowed for both MUS 587 and MUS 684.</p>	<p>2 Units</p>		
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>			
<p>MUS 590. Independent Study Term Typically Offered: Fall, Spring Description: Students may take no more than 6 hours of Independent Study in fulfilling requirements for any degree. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>0.5-3 Units</p>		

Music Dance (MUSD)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>MUSD 120. Introduction to Dance Fundamentals Term Typically Offered: Fall Only Description: Introduction to dance including an initial exploration of basic dance fundamentals, an overview of the elements that constitute classical and modern ballet and modern technique. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>2 Units</p>
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MUSD 320. Dance Theatre

3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Entrance by audition and permission of Dance faculty only.

Description: For pre-professional dancer to provide both training and performing experience.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Music Education (MUED)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MUED 102. Practical Applications in Music Education

0.5 Units

Term Typically Offered: Fall, Spring

Description: Four to six semesters provides students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all music education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 201. Practical Applications in Music Education

0.5 Units

Term Typically Offered: Fall, Spring

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all music education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534; for all music education and pre-certification degree students.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 202. Practical Applications in Music Education

0.5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 201.

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all music education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 301. Practical Applications in Music Education

0.5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 202.

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all music education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 302. Practical Applications in Music Education 0.5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 301.

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting..

Note: For all music education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 316. Music and Movement in Early Childhood 2 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of instructor.

Description: Methods, materials and philosophic rationales for caregivers, therapists, and teachers in pre-school, daycare and primary grade settings to develop and implement quality early childhood music and movement programs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 401. Practical Applications in Music Education 0.5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 302.

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all Music Education and Pre-Certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 402. Practical Applications in Music Education 0.5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 401.

Description: Four to six semesters provide students with opportunity to interact with other students in professional setting for educational activities related to their degree. Includes rehearsal observations and practical rehearsal experience in conducting.

Note: For all Music Education and pre-certification degree students; must be taken prior to MUED 520, MUED 533, and MUED 534.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 405. Introduction to Orff Schulwerk: Music and Movement Education 1 Unit

Term Typically Offered: Fall, Spring

Prerequisite(s): Admittance to Teacher Education, upper division status in Music Therapy, or permission of instructor.

Description: Students will experience and learn fundamental elements of Orff Pedagogy-Music and Movement education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 505. Introduction to Orff Schulwerk: Music & Movement Education 2 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Graduate standing, admittance to Teacher Education, upper-division status in Music Therapy, or permission of instructor.

Description: Students will experience and learn fundamental elements of Orff Pedagogy-Music and Movement education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 516. Music and Movement in Early Childhood 2 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of instructor.

Description: Methods, materials, and philosophic rationales for caregivers, therapists, and teachers in pre-school, daycare, and primary grade settings to develop early childhood music and movement programs.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 520. Student Teaching Elementary School - CUE 5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): MUED 556, 2.75 overall GPA, admission to Teacher Education.

Corequisite(s): MUED 533 and MUED 534.

Description: Experience in the classroom and in the total school program in observation and supervised teaching at the elementary level.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 533. Human Interaction/Professional Growth 2 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to Teacher Education; MUS 228 and MUED 556.

Corequisite(s): MUED 520 and 534.

Description: For student teacher to apply field experience to a professional philosophy while reflecting on career goals common to K.D.E. and MENC content standards of music education.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 534. Student Teaching Secondary - CUE 5 Units**Term Typically Offered:** Fall, Spring**Prerequisite(s):** MUS 228, MUED 556, 2.75 GPA, admission to Teacher Education, and completion of 24 hours of teaching major is required.**Corequisite(s):** MUED 520 and MUED 533.**Description:** Provides supervised observation, participation, and teaching.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUED 556. Special Methods in Secondary Teaching 2 Units**Term Typically Offered:** Fall, Spring**Prerequisite(s):** Admission to teacher education and MUS 228.**Description:** Course addresses the teaching of instrumental and/or vocal music in the elementary and secondary schools.**Note:** Taken prior to MUED 520, MUED 533, and MUED 534.**Note:** No student may receive credit for both MUED 556 and MUED 605 or MUED 606.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Music Education (MUSE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MUSE 525. Public School Music 3 Units**Term Typically Offered:** Not Offered**Description:** Music fundamental and best practice for the classroom teacher as applied in P-6 settings.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUSE 590. Independent Study 1-3 Units**Term Typically Offered:** Not Offered**Description:** Independent study on a topic done in consultation with a faculty member.**Note:** Not open to music majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Music History (MUH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

MUH 204. Music in Western Civilization - AH 3 Units**Term Typically Offered:** Fall, Spring, Summer**Description:** Introductory course surveying history of Western art music from the Middle Ages to present. Special attention given to social, cultural, and political contexts in which music was created and performed throughout its history.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 205. Music in World Cultures - D2, SB 3 Units**Term Typically Offered:** Fall, Spring, Summer**Description:** General introduction to the world of music covering basic elements of music along with the socio-cultural aspects of music and music-making from an ethnomusicological perspective.**Note:** Cross-listed with ANTH 205.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 212. History of Rock and Roll - AH, D1 3 Units**Term Typically Offered:** Fall, Spring, Summer**Description:** Broad overview of historical development of Rock and Roll and its music precedents from mid-twentieth century to the early 1980s. Explores social, cultural, economic, and philosophical aspects of various styles of Rock and Roll music.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>MUH 214. African-American Music - AH, D1 3 Units Term Typically Offered: Fall, Spring, Summer Description: Examines African-American music from a historical perspective, from its origins to the present. It will explore the development of various stylistic trends that characterize African-American music and socio-economic factors and events which have influenced it. There will be discussion on the evolution of and changes in musical style and form. Students will be introduced to innovators via audio and video recordings. Note: Cross-listed with PAS 214. Note: Not open to music majors.</p>	<p>MUH 230. Dance and Music in Society and Culture - AH 3 Units Term Typically Offered: Fall, Spring, Summer Description: Explores music and dance together throughout history and across culture. Examines wide variety of works from folk dance, social dance, court dance, theatrical dance, ballet, modern, and the music for each. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUH 301. Fundamentals of Music for Non-Majors 3 Units Term Typically Offered: Not Offered Description: Historical perspectives of theory and practice of Western music and composition. Introduction to and practical application of notation, harmony, melody, form, media, and compositional techniques. Note: Not open to music majors.</p>
<p>MUH 215. Hip-Hop Music and History - AH, D1 3 Units Term Typically Offered: Occasionally Offered Description: With an emphasis on music, this course will trace the history of Hip-Hop, from the varied influences that gave rise to this cultural phenomenon (such as the musical influences of R&B, Funk, and Jamaican music, and such political/social influences as the Black Power Movement and racial segregation) to the worldwide musical and cultural dominance that the genre holds today. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUH 303. Music of the Middle Ages and Renaissance 3 Units Term Typically Offered: Not Offered Prerequisite(s): MUH 204 or faculty consent. Description: From Gregorian chant through Palestrina and Lasso. Note: Not open to music majors.</p>
<p>MUH 217. History of Country Music - AH, D1 3 Units Term Typically Offered: Fall, Spring, Summer Description: Broad overview of historical development of Country Music and its music precedents from early twentieth century to present. Explores social, cultural, economic, and philosophical aspects of various styles of Country Music. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUH 304. Music of the Baroque 3 Units Term Typically Offered: Not Offered Prerequisite(s): MUH 204 or faculty consent. Description: Vocal and instrumental music from Monteverdi through Bach. Note: Not open to music majors.</p>
<p>MUH 218. Survey of American Jazz - AH, D1 3 Units Term Typically Offered: Fall, Summer Description: Non-music majors will have a historical examination of the evolution of jazz music. They will study the development of various stylistic trends that characterize jazz and the socioeconomic factors and events that have influenced it as well as the evolution of its musical style and form. Students will be introduced to innovators through their recordings. Note: Cross-listed with PAS 218. Note: Not open to music majors.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>MUH 305. Music of the Classical and Early Romantic Periods 3 Units Term Typically Offered: Not Offered Prerequisite(s): MUH 204 or faculty consent. Description: Survey of Classical from early Haydn through early Wagner and Verdi. Note: Not open to music majors.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUH 219. Survey of Brazilian Music 3 Units Term Typically Offered: Occasionally Offered Description: Course will trace evolution of Brazilian music from origins to present and explore development of various stylistic trends. Includes discussion of socio-economic factors and events influencing Brazil's native art music. Note: Cross-listed with PAS 219.</p>	<p>MUH 306. Music of the Late Romantic and Modern Periods 3 Units Term Typically Offered: Not Offered Prerequisite(s): MUS 204 or faculty consent. Description: Survey of late Romantic through Contemporary eras (late Wagner/ Verdi through present day). Note: Not open to music majors.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

MUH 308. Music in America **3 Units**
Term Typically Offered: Occasionally Offered
Description: A survey of America's concert and popular music from the Pilgrims to the present.
Note: Not open to music majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 309. Music in the Theatre - AH **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Overview of music theatre from antiquity to present. Studies unique symbiotic relationship between two divergent art forms and the new genres this process has created.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 310. History of Jazz **3 Units**
Term Typically Offered: Occasionally Offered
Description: Introduction to the history of styles and forms in jazz from the late nineteenth century to the present.
Note: Not open to Music majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 311. Studies in American Traditional Music **3 Units**
Term Typically Offered: Occasionally Offered
Description: A survey of folk music from Kentucky and the South: dance tunes, old time, ballads, bluegrass, and shape note music.
Note: Not open to music majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 313. Studies in Ethnomusicology - D2, SB **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: General introduction to the world of music and field of Ethnomusicology. Students will learn basic elements of music and various socio-cultural aspects of music and music-making from ethnomusicological perspective.
Note: Cross-listed with ANTH 313.
Note: Not open to music majors.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 315. Music and Sound in Film **3 Units**
Term Typically Offered: Fall Only
Description: Explores the art of music and sound in film from early cinema through today. Students will learn to critically listen to music and sound in film and develop an understanding of the history and broad impact of film and sound technology.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 317. Popular Music in American Culture - AH, D1 **3 Units**
Term Typically Offered: Fall, Spring, Summer

Description: Survey of historical development of American popular music from minstrelsy of mid-nineteenth century to hip-hop of late twentieth century. Explores social, cultural, economic, and philosophical aspects of various styles of American popular music including Ragtime, Tin Pan Alley, Jazz, Country and Western, Rhythm and Blues, Rock, and Rap. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 320. Women in Music: A History - AH, D1 **3 Units**
Term Typically Offered: Fall, Spring, Summer

Description: Addresses the historical and social contexts and social constructions of gender related to women and music, as well as the portrayal of women in musical works. Includes focus on Western art music as well as various genres of popular music.

Note: Cross-listed with WGST 320.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUH 401. Senior Thesis - CUE **2 Units**
Term Typically Offered: Occasionally Offered

Prerequisite(s): MUS 441.

Description: Thesis course for Music History non-majors.

Note: Not open to Music majors.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Music Therapy (MUTH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>MUTH 101. Introduction to Music Therapy 1 Unit Term Typically Offered: Fall Only Description: Overview of the use of music therapy with various populations, bases for the use of music in therapy, and professional issues in music therapy. Includes observation of a music therapy session. Note: Open to all interested students.</p>	<p>MUTH 214. Clinical Music Therapy Applications III 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 213. Description: Continuation of MUTH 213. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUTH 301. Psychology of Music 3 Units Term Typically Offered: Fall Only Prerequisite(s): Courses or other background in music. Corequisite(s): Therapy majors take concurrently with MUTH 321.</p>
<p>MUTH 113. Clinical Music Therapy Applications I 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 101. Description: Provide opportunity for Music Therapy students to apply learned skills to musical situations they will encounter as music therapists.</p>	<p>Description: Psychological foundations of music including neurology and the brain, cognition, perception, emotional meaning, musical development and learning; testing for musical ability; research methodology. Applications to music therapy, music education, and other musical interests.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 201. Music Therapy Techniques I 3 Units Term Typically Offered: Fall Only Prerequisite(s): MUTH 101; accepted as a Music Therapy major. Description: Skills for music therapy assessment, treatment planning and implementation, evaluation, and communication of progress; music therapy strategies and adaptations for specific clientele; group dynamics; skills for verbal facilitation. Observe and assist with music therapy sessions.</p>	<p>MUTH 302. Introduction to Research in Music Therapy 3 Units Term Typically Offered: Spring Only Prerequisite(s): MUTH 301; non-Music Therapy majors may take with permission of instructor. Description: Conducting, reading, and interpreting music therapy research, including quantitative and qualitative methodologies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 311. Improvisation for Music Therapy I 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 202, MUS 231, and MUS 297. Description: To help Music Therapy students develop improvisational skills.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 202. Music Therapy Techniques II 3 Units Term Typically Offered: Spring Only Prerequisite(s): MUTH 201; accepted as a Music Therapy major. Description: Music therapy strategies and adaptations for specific clientele; definition of music therapy; process of therapy, established theories of psychotherapy and relationship to music therapy. Observe and assist with music therapy sessions.</p>	<p>MUTH 313. Clinical Music Therapy Applications IV 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 214. Description: Continuation of MUTH 214 For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 314. Clinical Music Therapy Applications V 0.5 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MUTH 313. Description: Continuation of MUTH 313. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUTH 315. Piano Accompaniment for Music Therapy 1 Unit Term Typically Offered: Fall Only Prerequisite(s): MUS 297. Description: Provide Music Therapy students with skills needed to provide piano accompaniments for music therapy sessions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 213. Clinical Music Therapy Applications II 0.5 Units Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 113. Description: Continuation of MUTH 113. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>MUTH 321. Practicum in Music Therapy I 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 202; accepted as a Music Therapy major. Description: Supervised music therapy clinical experience. Application of music therapy principles and practices to clinical work. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 328. Anatomy & Physiology for Music Therapy 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Music Therapy majors only, taken concurrently with Practicum in Music Therapy; must have completed sophomore barrier exam. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>MUTH 413. Clinical Music Therapy Applications VI 0.5 Units Term Typically Offered: Occasionally Offered Prerequisite(s): MUTH 314. Description: Continuation of MUTH 314. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 322. Practicum in Music Therapy II 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 321; accepted as a Music Therapy major. Description: Supervised music therapy clinical experience. Application of music therapy principles and practices to clinical work. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 421. Practicum in Music Therapy III 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 322; accepted as a Music Therapy major. Description: Supervised music therapy clinical experience. Application of music therapy principles and practices to clinical work. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 325. Music Therapy Training Group I 1 Unit Term Typically Offered: Fall Only Prerequisite(s): Three (3) Music Therapy courses or permission of instructor. Description: A two-semester group experience in which students experience the music therapy group process as group members, learning about group process in music therapy. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 422. Practicum in Music Therapy IV 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): MUTH 421; accepted as a Music Therapy major. Description: Supervised music therapy clinical experience. Application of music therapy principles and practices to clinical work. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>MUTH 326. Music Therapy Training Group II 1 Unit Term Typically Offered: Spring Only Prerequisite(s): MUTH 325. Description: A two-semester group experience in which students experience the music therapy group process as group members, learning about group process in music therapy. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>MUTH 431. Principles and Practices of Music Therapy I 3 Units Term Typically Offered: Fall Only Prerequisite(s): MUTH 301; accepted as a Music Therapy major. Corequisite(s): MUTH 321, MUTH 322, MUTH 421, or MUTH 422. Description: Music therapy with people with learning, neurological, motor, and medical problems. Characteristics and needs; literature on music therapy with these problems; applications to clinical work. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

MUTH 432. Principles and Practices of Music Therapy II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): MUTH 431; accepted as a Music Therapy major.

Corequisite(s): MUTH 321, MUTH 322, MUTH 421, or MUTH 422.

Description: Music therapy with people with emotional, social, and behavioral problems. Characteristics and needs; literature on music therapy with these problems; applications to clinical work.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

MUTH 451. Music Therapy Internship - CUE 2 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Completion of all other courses towards music therapy degree; permission of department.

Description: Culmination of music therapy training; intensive, supervised clinical experience; minimum of 900 hours.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Nursing (NURS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

NURS 101. S.T.A.T. for Nursing Students (Success Tips And Techniques) 1 Unit

Term Typically Offered: Fall Only

Prerequisite(s): Admission to the School of Nursing or the College of Arts & Sciences Nursing pre-major student program plan.

Description: Campus culture course designed especially for nursing students. This course focuses on the multiple attributes and skills necessary for a successful course of study in the nursing program. Emphasis is on knowing and accessing available resources for optimal students learning outcomes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 201. Introduction to Wellness Coaching 3 Units

Term Typically Offered: Fall, Spring

Description: This course is designed to provide a hands on wellness coaching opportunity for university students. Students will practice wellness coaching techniques with their peers in class, under direct supervision of their instructor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 301. Internship in Wellness Coaching 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): NURS 201 and admitted to the Wellness Coaching minor.

Description: Provide a hands-on wellness coaching opportunity for university students to coach participate toward a positive health behavior change.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 330. Special Topics 1-15 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Refer to "Nursing Schedule Notes" available through the Office of Student Services, School of Nursing.

Description: These courses contain a variety of contemporary topics in nursing that relate to clinical practice.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 338. Lifespan Pathophysiology 4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): BIOL 257, BIOL 258, BIOL 261, BIOL 262, CHEM 105, or CHEM 201 or appropriate equivalency; students must be admitted to the School of Nursing lower division program code NU BSN.

Description: Focuses on the body's response to pathological processes throughout the lifespan. Emphasis is on using knowledge of normal physiology to understand adaptive and maladaptive processes of pathological conditions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>NURS 342. Professional Nursing Communication 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: This course builds on the general education communication course and applies oral and written communication techniques to professional nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 347. Health Assessment 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: This course focuses on assessment component of the nursing process as a foundation of professional nursing practice. A systematic approach to client interview and physical exam techniques are emphasized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 343. Health Assessment for the Professional Nurse 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: Introduces concepts, skills and techniques necessary to perform comprehensive, individual health assessment for professional nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 351. Adult Health Nursing 7 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 338, NURS 341, NURS 342, NURS 343, and NURS 395. Description: Application of Lifeskills for professional nursing focusing on acute and chronic care of adult and families. Experiences emphasize secondary and tertiary prevention and care of aggregates, families and individuals. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 344. Community Health Nursing 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: This course provides students the opportunity to gain hands-on experience in a variety of community settings in developing depth and breadth of knowledge in holistic assessment and intervention to protect and promote the health of populations around the world. Note: This course contains a clinical component. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 352. Pediatric Health Nursing 7 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 338, NURS 341, NURS 342, NURS 343, and NURS 395. Description: Application of Lifeskills for professional nursing focuses on acute and chronic care of children and families. Experiences emphasize secondary and tertiary prevention and care of aggregates, families and individuals. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 345. Foundations of Professional Nursing Practice 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: This course is designed to introduce professional nursing principles while teaching students to apply foundational knowledge of nursing care. Skills practiced in lab will facilitate application of cognitive, psychomotor and interpersonal skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 355. Portfolio Equivalency 30 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Prerequisite(s): Admission into the RN-BSN online program (academic plan code NUR BSNUDO). Description: The student provides a comprehensive portfolio documenting prior educational, professional and life experiences in preparation and practice as a registered nurse. Note: 30 credit hours for equivalency at no charge. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 346. Management of Care of the Adult Health Client I 5 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: This course is to focus on care management of adults, including young adults, middle-ages, and geriatric clients, who have chronic health conditions and are experiencing alterations in body systems. Note: This course contains a clinical component. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 356. Management of Care of the Adult Health Client II 7 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 344, NURS 345, and NURS 347. Description: This course focuses on care management of adults, including young, middle-aged and geriatric clients, who have acute health conditions, and experiencing alterations in body systems. Note: This course contains a clinical component. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>NURS 357. Maternal-Newborn Nursing 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 344, NURS 345, NURS 346, and NURS 347. Description: Utilizing active learning experiences, this course focuses on nursing care of childbearing families from preconception through the neonatal period with emphasis on multiple factors that impact health promotion, decision making, and disease management. Note: This course has a clinical component.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 375. Pathophysiology 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Accelerated RN-BSN program. Description: This course focuses on the body's response to pathological processes throughout the lifespan. Emphasis is on using knowledge of normal physiology to understand adaptive and maladaptive processes of pathological conditions. Note: This is a web-enhanced course.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 358. Nursing Research for Evidence-Based Practice 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 344, NURS 345, NURS 346, and NURS 347. Description: This course is designed to explore the translation of research into practice to resolve clinical issues and improve patient outcomes. It emphasizes the ability to locate, interpret, and evaluate research study reports and research-based clinical guidelines. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 380. Pharmacotherapeutics for RN's 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the upper division in the School of Nursing. Description: Examines principles of nursing management for pharmacological interventions. Concepts of pharmacodynamics and pharmacokinetics for common drug classifications will be explored. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 360. Health Status Assessment 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Accelerated RN-BSN program and completion of foundational coursework. Description: This course introduces basic physical assessment skills that enhance the students' ability to carry out the assessment phase of the nursing process. Students collect health status data from classmates and practice physical examination skills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 381. Foundations for Evidenced-Based Professional Nursing 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the RN-BSN online program (academic plan NUR BSNUDO). Description: Provides opportunity for registered nursing student to transition in the baccalaureate nursing program and explore and create components of professional evidence-based nursing care in a dynamic health care environment. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 365. Pharmacology 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Accelerated RN-BSN program. Description: Students will gain knowledge of the properties and actions of pharmacological agents for application in clinical practice. Note: This is a web-enhanced course.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 382. Nursing Research for Evidence-Based Practice 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 381. Description: Focuses on research process as it relates to health and nursing practice. Emphasizes abilities to interpret research reports and apply research evidence to nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 370. Integration for Practice 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission to the Accelerated RN-BSN program and completion of foundational coursework. Description: This course uses creative methodologies to facilitate students' integration of basic concepts in assessment, pharmacology and pathophysiology for clinical practice within the context of professional lifeskills. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 383. Case Management of Individuals and Families 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 381. Description: Examines the significance of concepts related to complex health problems, the importance of chronicity of health status, and multi-dimensional problems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>NURS 384. Global Healthcare Issues, Systems and Policies 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 338, NURS 360, NURS 381, and NURS 380. Description: Examines the political and social factors that contribute to poor health nationally and globally, legal, economic, political factors impacting health care will be evaluated. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>NURS 385. Nursing Leadership and Health Policy 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 381 and NURS 382. Description: This course provides an introduction to nursing leadership and an overview of health policy. Principles, theories, practices employed by successful nurse leaders will be explored. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 402. Adult Health I 5 Units Term Typically Offered: Summer Only Prerequisite(s): MEPN Program Admission NURSMSNEPN. Description: This course is designed to introduce concepts and principles of nursing practice focusing on the implementation of evidence-based interventions in the care of adults with chronic health conditions. Lab and clinical applications of cognitive, psychomotor, and interpersonal skills are emphasized. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 387. Pathophysiology and Pharmacotherapeutics for RNs 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Admission into the RN-BSN online program (academic plan code NUR BSNUDO). Description: This course examines pathophysiology as the body's response to pathological processes. An emphasis is placed on the student's use of knowledge of normal physiology to understand adaptive and maladaptive processes of chronic pathological conditions. The student will examine nursing management of chronic pathological conditions in selected populations using principles of pharmacotherapeutics, pharmacodynamics and pharmacokinetics for safe and effective pharmacological interventions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 403. Adult Health II 6 Units Term Typically Offered: Spring Only Prerequisite(s): NURS 402. Description: This course focuses on the application of life skills for professional nursing focusing on acute and chronic care and case management of adults and families. Experiences emphasis secondary and tertiary prevention and care for aggregates, families, and individuals. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 388. Global Health: Disparities and Social Determinants - D2, SB 3 Units Term Typically Offered: Fall, Spring Description: This course examines health disparities and the influence of culture, social determinants of health, and health policy that contribute to health outcomes in global populations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 404. Childbearing 3.5 Units Term Typically Offered: Fall Only Prerequisite(s): NURS 401, NURS 402, and NURS 503. Description: This course focuses on the concepts related to health promotion and disease management across the preconception through neonatal spectrum. Emphasis is placed on the relevance of decision-making choices that impact the childbearing family. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 395. Nursing Pharmacotherapeutics 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): BIOL 261, BIOL 262, BIOL 257, BIOL 258, CHEM 105, or CHEM 201 or appropriate equivalency; students must be admitted to the School of Nursing lower division program code NU BSN. Description: Provides nursing students a basis for the clinical application of pharmacology, including pharmacotherapeutics, pharmacodynamics and pharmacokinetics. Emphasis is placed on learning drug classifications by clinical indication or body system. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 405. Child Health 4 Units Term Typically Offered: Fall Only Prerequisite(s): NURS 401, NURS 402, and NURS 503. Description: This course focuses on the essential concepts, theories, and developmental processes fundamental in understanding the acute and chronic health concerns and problems of children and their families. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 401. Introduction to Professional Nursing Practice 1 Unit Term Typically Offered: Summer Only Prerequisite(s): Admission into the graduate second degree program (academic plan code NURSMSNEPN). Description: This course provides the foundational components of professional nursing practice including theoretical bases, roles & responsibilities, professional values, issues & trends, and relationship between nursing action and client outcomes. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>NURS 406. Psychiatric/Mental Health 4 Units Term Typically Offered: Fall Only Prerequisite(s): NURS 403. Description: This course includes the application of life skills for professional nursing, focusing on acute and chronic care of clients with mental health alterations. Experiences are provided in a variety of setting with selected populations. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 441. Nursing Care of the Childbearing Family 4 Units Prerequisite(s): NURS 351 and NURS 352. Description: Application of Lifeskills for professional nursing, focusing on the care of childbearing families across the spectrum of pregnancy and birth. Experiences emphasize health-promoting behaviors in childbearing families. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>NURS 442. Mental Health Nursing 6 Units Prerequisite(s): NURS 351 and NURS 352. Description: Application of Lifeskills for professional nursing, focusing on acute and chronic care of clients with mental health alterations. Experiences are provided in a variety of settings with selected populations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>NURS 443. Essentials of Quality Professional Nursing 3 Units Prerequisite(s): NURS 351 and NURS 352. Description: Application of Lifeskills and processes integral to professional nursing. Components of the course include case management, systems, professional behaviors, quality improvement, and evidence-based practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>NURS 451. Synthesis of Complex Health Needs 12 Units Prerequisite(s): NURS 441, NURS 442, and NURS 443. Description: Synthesizes Lifeskills for professional nursing. Experiences emphasize professional nursing care of clients with complex health needs. Clinical assignments provide extensive professional nursing experience with clients in selected settings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>NURS 452. Transition to Nursing Practice 2 Units Prerequisite(s): NURS 441, NURS 442, and NURS 443. Description: Discusses trends and issues as they relate to Lifeskills critical for transition to professional nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>NURS 460. Internship in Nursing 6-12 Units Grading Basis: Pass/Fail Prerequisite(s): NURS 450. Description: This course provides an intensive clinical experience in a selected setting which allows students the opportunity to improve time management, gain control and self-confidence, explore the realities of role acquisition, and add documentation to portfolio/resume. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 407. Community Health 5 Units Term Typically Offered: Summer Only Prerequisite(s): NURS 403. Description: This course provides students the opportunity to gain hands-on-experience in a variety of community settings. The focus is to develop a depth and breadth of knowledge regarding holistic assessment and intervention to protect and promote the health of populations. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>NURS 408. Care of the Adult with Complex Health Needs 7 Units Term Typically Offered: Fall Only Prerequisite(s): NURS 403. Description: This course provides the student with an understanding of the professional nursing care of adults and families with complex health needs. An emphasis is placed on acquiring competencies necessary for the development of the professional nurse advocate. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>NURS 409. Capstone 2 Units Grading Basis: Pass/Fail Term Typically Offered: Spring Only Prerequisite(s): NURS 408. Description: This course provides students opportunities to apply knowledge in the care of individuals and families in a dynamic healthcare setting. Emphasis is on developing the role of the professional nurse advocate. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>NURS 465. Research in Clinical Practice 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): NURS 338, NURS 360, NURS 370, and NURS 395. Description: This course will help the RN student determine the adequacy of a research study by teaching the fundamentals of research and learning to critique research studies for their applicability to clinical nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 476. Community Leadership Practicum - CUE 2 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): NURS 381; NURS 382; NURS 386 or NURS 388; NURS 482. Corequisite(s): NURS 470. Description: Provides student opportunities to apply knowledge and synthesize insight gained through their educational experience to perform primary, secondary, and tertiary prevention interventions in a community setting. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 466. Global Healthcare Issues, Systems and Policies 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 371 or NURS 356; NURS 372 or NURS 487; and NURS 374 or NURS 358. Description: This course examines contemporary issues in global health and trans-cultural nursing. Additional Course Objective: Analyze issues of cultural care diversity in relation to a trans-cultural nursing framework and how it relates to nursing care delivered across setting and across the lifespan. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 480. Complex Health Management 8 Units Prerequisite(s): NURS 465 and NURS 470. Description: This course includes concepts related to complex health problems, the impact of chronicity on health status, and multidimensional problems. Clinical practice will focus on current and future health care delivery systems such as managed care with an emphasis on case management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 470. Community Health Nursing 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): NURS 381; NURS 382; NURS 386 or NURS 388; and NURS 482. Description: This course focuses on health care of populations in the community with emphasis on public health principles to promote health and prevent diseases. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 481. Child Health Nursing 5 Units Term Typically Offered: Fall, Spring Prerequisite(s): NURS 356, NURS 357, and NURS 358. Description: This course is designed to present essential concepts, theories and developmental processes fundamental to understand the acute and chronic health concerns and problems of children and their families. Note: This course contains a clinical component. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 475. Professional Issues 1 Unit Prerequisite(s): NURS 465 and NURS 470. Description: This course explores present trends in the profession and health care system, national and state issues which impact nursing, and the role of the nurse. Content in this course changes as issues and trends change. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 482. Health Promotion for Individuals, Families, and Communities 3 Units Term Typically Offered: Fall, Spring, Summer Corequisite(s): NURS 381. Description: Introduces student to nursing theorist to evaluate nursing practice in changing health care environment. Provides opportunity to expand knowledge as it relates to the significance of contemporary issues in professional nursing practice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

NURS 483. Theories and Issues in Professional Nursing Practice 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 338, NURS 360, NURS 380, and NURS 381.

Description: Introduces student to nursing theorist to evaluate nursing practice in changing health care environment. Provides opportunity to expand knowledge as it relates to the significance of contemporary issues in professional nursing practice.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 484. Transition to Professional Nursing Practice 2 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 360, NURS 380, NURS 381, NURS 382, NURS 383, NURS 384, NURS 385, NURS 482, and NURS 483.

Description: Explores and analyzes issues regarding role transition into professional practice as a baccalaureate prepared nurse.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 485. Management of Health Care 3 Units

Prerequisite(s): NURS 465 and NURS 470.

Description: This course focuses on the conceptual foundation, theories and practical applications of the principles of leadership and management. Lifeskills related to critical thinking and communication with multiple health care professionals is emphasized.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 486. Management of Care of the Adult Health Client III 5 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 356, NURS 357, and NURS 358.

Description: Knowledge gained in Management of Care I and II is synthesized and applied in providing care for adults, including young adult, middle-aged and geriatric clients with complex health conditions, who are experiencing alterations in body systems.

Note: This course contains a clinical component.

Note: Previously taught as NURS 471.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 487. Psychiatric-Mental Health Nursing 5 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): NURS 356, NURS 357, and NURS 358.

Description: This course is designed to develop knowledge, skills, and attitudes in providing mental health care across the lifespan in a variety of settings. Student will become change agents in reducing the stigma related to mental illness.

Note: This course contains a clinical component.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 488. Leadership Project 2 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 381, NURS 382.

Corequisite(s): NURS 385.

Description: This course provides the opportunity to apply concepts in nursing leadership and health policy in a selected setting. The roles of nurse advocate and change agent are stressed in this project.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 491. Transition to Professional Nursing Practice 2 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 481, NURS 486, and NURS 487.

Description: This course is designed to provide the student with a framework for transition from student to novice professional nurse and planning for career path.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

NURS 492. Global Public Health 4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): NURS 481, NURS 486, and NURS 487.

Description: This course integrates contemporary issues in the clinical application of factors that contribute to health locally, regionally, nationally, and globally.

Note: This course has a clinical component.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>NURS 493. Nursing Leadership and Management 2 Units</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): NURS 481, NURS 486, and NURS 487.</p> <p>Description: This course is designed to introduce leadership, management, and health policy principles and health care delivery systems processes. This course focuses on the theory and practice of nursing leadership/management and the skills and characteristics necessary to be a successful professional nurse.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 501. Pathophysiology 4 Units</p> <p>Prerequisite(s): Department Permission.</p> <p>Description: This course emphasizes the synthesis of preexisting knowledge of normal physiology to understand pathophysiological processes common among individuals and populations across the lifespan.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 494. Capstone in Professional Nursing Practicum - CUE 7 Units</p> <p>Term Typically Offered: Fall, Spring, Summer</p> <p>Prerequisite(s): All upper division nursing courses.</p> <p>Description: Provides student opportunities to apply knowledge in the care of individuals and families in a dynamic healthcare setting. Emphasis is on developing the role of the professional nurse advocate.</p> <p>Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 502. Pharmacology 3 Units</p> <p>Prerequisite(s): Department Permission.</p> <p>Description: This course is designed to provide nursing students with a sound basis for the clinical application of pharmacology. The basics of core drug knowledge, including pharmacotherapeutics, pharmacodynamics, and pharmacokinetics are covered. Emphasis is placed on learning drug classifications by clinical indication or body system with advanced understanding of potential drug interactions, pharmacogenetics and pharmacoeconomics.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 499. Global Public Health Nursing Practicum 1 Unit</p> <p>Term Typically Offered: Spring Only</p> <p>Prerequisite(s): NURS 500 (or concurrently).</p> <p>Description: This course is designed for nursing students who have completed or who are currently completing NURS 500. In this course, students will conduct a population health-focused assessment of an assigned population health problem. Students will compare and contrast the epidemiology data and health policy regarding a community health problem and its treatment in the United States and its treatment in another country. In response to the population health assessment, students will develop public health nursing intervention strategies to improve and protect the health status of individuals, families and communities and evaluate the effectiveness of the implemented strategies.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 503. Health Assessment 3 Units</p> <p>Prerequisite(s): NURS 501 and NURS 502; admitted to MSN program.</p> <p>Description: The focus of this course is on the assessment component of the nursing process. A systematic approach to interviewing and physical exam techniques across the lifespan (neonate to generic) is emphasized.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>NURS 500. Variables Impacting Health Care Delivery: A Global Context 3 Units</p> <p>Description: Disparities in international health care delivery and the contributing variables will be explored. Culture-specific content is based on the country of study and is delivered by the interdisciplinary faculty.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>NURS 504. Leadership & Health Policy 3 Units</p> <p>Term Typically Offered: Spring Only</p> <p>Prerequisite(s): NURS 402.</p> <p>Description: This course is designed to provide the student with theoretical principles and skills needed for leadership and professional role development within complex healthcare systems. Effective communication as a member of an interprofessional team, leadership focusing on the delivery of patient-centered care, strategies to provide quality cost-effective healthcare will be emphasized.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>NURS 506. Leadership/EBP/Policy 2 Units</p> <p>Prerequisite(s): NURS 408 and NURS 608.</p> <p>Description: This practicum will require students to formulate a leadership/management, policy or evidence-based project based on the assessed needs of their clinical site. With approval from their clinical preceptor and their instructor, students will apply knowledge and skills acquired in their master's course work in the completion of the project and the presentation of outcomes/findings.</p> <p>Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

NURS 507. Transitions to Practice**2 Units****Prerequisite(s):** NURS 408 and NURS 608.**Description:** This course will assist students to make the transition to professional nursing practice. Students will learn about current legislative and practice issues, discuss legal aspects of nursing practice, and prepare for the certification and licensure process.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**NURS 510. Application of Pathophysiology and Pharmacology Concepts I**
1 Unit**Term Typically Offered:** Fall Only**Prerequisite(s):** MEPN Program admission.**Corequisite(s):** NURS 404 and NURS 405.**Description:** Apply previously learned pathophysiology and pharmacology concepts in the care of pediatric and maternal health patients.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**NURS 511. Application of Pathophysiology and Pharmacology Concepts II**
1 Unit**Term Typically Offered:** Fall Only**Prerequisite(s):** NURS 510.**Description:** Apply previously learned pathophysiology and pharmacology concepts in the care of adult patients.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**NURS 515. Research Scholar Program**
1-3 Units**Term Typically Offered:** Fall, Spring, Summer**Prerequisite(s):** Admission to traditional baccalaureate program or MEPN program.**Description:** To promote nursing research and scholarship among students through faculty mentoring.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**NURS 575. Introduction to Forensic Nursing**
2 Units**Prerequisite(s):** Must be admitted to the upper division undergraduate nursing program or graduate nursing program.**Description:** An elective course to introduce the students to the role of the forensic nurse. This experimental course covers forensic principles as they relate to the living and field experiences are integrated.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**NURS 606. Healthcare Systems**
3 Units**Description:** The U.S. healthcare system evolution, services, policy, and delivery are examined and compared politically, ethically, technologically, environmentally, and socioeconomically. Availability, access, regulation, and accountability are considered using systems theory.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Pan-African Studies (PAS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to

the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PAS 200. Introduction to Pan-African Studies - D1, SB
3 Units**Term Typically Offered:** Fall, Spring**Description:** Introduces students to the academic discipline of Pan-African Studies. Students will be introduced to critical issues, themes, perspectives, debates, and emerging trajectories within the discipline. In addition to orienting students to the discipline of Black Studies, the course also exposes students to significant historical, social, political, and cultural issues that have shaped the experiences of people of African descent in the United States and throughout the diaspora. (Social Sciences)For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 204. Introduction to African Studies**
3 Units**Term Typically Offered:** Fall, Spring**Description:** A survey course on Africa - a vibrant continent in transition, with its richly diverse peoples and their histories; belief systems; social, economic and political organizations; art, performance, and cultural practices. (Social Studies)For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 205. Race, Color and Consciousness - D1, SB**
3 Units**Term Typically Offered:** Fall, Spring**Description:** Do #BlackLivesMatter advocates have a legitimate argument that America has historically and contemporarily marginalizes people based on race? Is race more important than class? Does America define race differently than other countries? This course wrestles with these questions and more as it explores how the African-descended experience has developed in different ways around the globe. The historic struggle for personhood and humanity by African people when they encounter non-colored core groups in various western societies also has certain commonalities. The course focuses on the experiences of diasporic Africans in North America, South America, and the Caribbean who have lived in societies that are socially, politically, and economically controlled by such groups. It is especially designed to expose students to a comparative view of race relations and reasoning in a number of societies in an effort to more fully examine the evolving American approach to race.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 206. Introduction to Caribbean Studies - D2, SB 3 Units**Term Typically Offered:** Spring Only**Description:** This course provides a general overview and introduction to Caribbean Studies. It explores the historical, cultural, and sociological perspectives that shaped the Caribbean region, as well as the contemporary Caribbean. Areas of emphasis include history of the people, politics, language, and culture; race, ethnicity, and social class; domestic organizations-gender roles and family. The course also explores social issues affecting the United States and the Caribbean through community-based learning. (Social Sciences).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 207. Introduction to Philosophy through Cultural Diversity - AH, D2 3 Units****Term Typically Offered:** Fall, Spring**Description:** Survey of historical canonical contributions to western philosophy juxtaposed with minority voices to understand how social, economic, and cultural situatedness affect bodies of knowledge. (Humanities)**Note:** Cross-listed with PHIL 207 and WGST 207.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 210. Introduction to Pan-African Literature - AH, D2 3 Units****Term Typically Offered:** Occasionally Offered**Description:** An examination of African, Caribbean and African-American literature over time, focusing upon shared symbols and cultural aesthetics. (Humanities)For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 214. African-American Music - AH, D1 3 Units****Term Typically Offered:** Fall, Spring, Summer**Description:** Examines African-American music from a historical perspective, from its origins to the present. It will explore the development of various stylistic trends that characterize African-American music and socio-economic factors and events which have influenced it. There will be discussion on the evolution of and changes in musical style and form. Students will be introduced to innovators via audio and video recordings.**Note:** Cross-listed with MUH 214.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 217. Introduction to Indigenous Religions of Africa, the Americas and the Pacific Basin 3 Units****Term Typically Offered:** Occasionally Offered**Description:** An introduction to the religious beliefs and practices of selected indigenous communities in Africa, the Americas and the Pacific Basin. (Humanities)**Note:** Cross-listed with HUM 217.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 218. Survey of American Jazz - AH, D1 3 Units****Term Typically Offered:** Fall, Summer**Description:** Non-music majors will have a historical examination of the evolution of jazz music. They will study the development of various stylistic trends that characterize jazz and the socioeconomic factors and events that have influenced it as well as the evolution of its musical style and form. Students will be introduced to innovators through their recordings. (Humanities)**Note:** Cross-listed with MUH 218.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 219. Survey of Brazilian Music 3 Units****Term Typically Offered:** Occasionally Offered**Description:** In this course designed for non-music majors, the evolution of Brazilian music will be traced from its origins through the present. The course will explore the development of the various stylistic trends that characterize the music of Brazil. The socio-economic factors and events which have influenced the course of Brazil's native art music will be included in the discussion as will the evolution of and changes in the musical style and form. In addition, students will be introduced to the innovators of each style through recordings, videos and the internet. (Humanities)**Note:** Cross-listed with MUH 219.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PAS 227. Survey of American Diversity - D1, SB 3 Units****Term Typically Offered:** Fall, Spring, Summer**Description:** A social map of the contemporary United States reveals several culturally-identified human groups based upon race, ethnicity, religion, language, family origins, and other characteristics. While diversity has become integral to the American society, it is an area that is little-studied and far less understood by many. This course will help students better understand racial and ethnic diversity in today's society. More than a historical overview, this course includes selected readings and film which provide glimpses behind the facade of the "other", to see some of the struggles they face as they become part of the American "fabric". In the process of developing this understanding, we will constantly challenge ourselves by asking two main questions: "Who is an American?" and "What does it mean to become an American?"For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 247. Language, Protest and Identity - D1, SB 3 Units**Term Typically Offered:** Fall, Spring

Description: Sociolinguists see language as more than a question of people talking to each other. Language not only communicates ideas, but also communicates our identities in a society. It identifies us as we see ourselves and it identifies us, as others perceive us. Embodied in the act of human communication is a complex set of rules for how to send a message and another set of rules for how to interpret that message. Beyond these rules, socially constructed preconceptions, such as issues of race, class, and gender, can have an influence on the way people choose to communicate with others and on how that communication is understood by others. Much of this operates subtly and below our consciousness, such as when we say one thing, but our kinesics (body language) displays a different attitude. However, there are some, particularly those working in politics or advertising, who have developed a keen ability to manipulate or otherwise channel messages for a special effect. Recognizing how these various factors work, and their effect on the ability of people to understand one another, is particularly important in the current era. Societies have become more complex and diverse populations are now faced with the challenges of sharing the same living and working space. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 272. Reggae Music & the Politics of Black Liberation - AH, D2 3 Units**Term Typically Offered:** Spring Only

Description: Examines cultural history of reggae and its impact since the independence of Jamaica in the 1960s. Explore its context within post-WWII anti-colonial struggles and quests for cultural identity and integrity with influences of U.S. and British music. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 273. The Rhythm and Blues Revolution and American Culture - AH, D1 3 Units**Term Typically Offered:** Occasionally Offered

Description: The history of R&B from its post-WWII origins to the post-Civil Rights Movement era, with particular emphasis on its impact on the U.S. and global popular culture and ideas about race. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 300. Humanities Special Topics in Pan-African Studies 3 Units**Term Typically Offered:** Fall, Spring

Description: Intensive study of a particular topic or aspect of Africa or the Diaspora, to be announced in the schedule of courses.

Note: May be repeated as topics vary, but no more than six hours will be accepted in the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 301. Social Sciences Special Topics in Pan-African Studies 3 Units**Term Typically Offered:** Fall, Spring, Summer

Description: Intensive study of a particular topic or aspect of Africa or the Diaspora, with a social sciences perspective.

Note: May be repeated as topics vary, but no more than 6 hours will be accepted in the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 305. Legal Lynchings: A Survey of Race, Law, and the American Justice System 3 Units**Term Typically Offered:** Fall, Spring

Description: A historical study of the American justice system and its treatment of persons of African descent. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 308. Contemporary Trends in African-American Art - WR 3 Units**Term Typically Offered:** Spring Only

Description: A survey of contemporary African-American art since the 1960s into current trends today. Students will examine contemporary paintings, sculpture, fabric art, folk art, public art, and installation art. Emphasis will be on the social, cultural, spiritual and religious influences expressed in contemporary art.

Note: Cross-listed with ARTH 349.

Note: Approved for Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 310. African-American Art I: From West Africa to 1920s 3 Units**Term Typically Offered:** Fall Only

Description: Relationship between African and African-American art from the slave era through the Harlem Renaissance in its aesthetic, social, cultural and political contexts.

Note: Cross-listed with ARTH 343.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 311. African-American Art History II: From the 1920s to Present 3 Units**Term Typically Offered:** Spring Odd Years

Description: Relationship between art of the Harlem Renaissance, Black art of the 1960s, and the contemporary art in its aesthetic, social, cultural and political contexts.

Note: Cross-listed with ARTH 344.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 312. African Americans in American Media 3 Units

Term Typically Offered: Fall, Spring

Description: The evolution of the popular image of African Americans as reflected in the visual media of television and the cinema. (Social Sciences)

Note: Cross-listed with COMM 326.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 313. Urban Ritual Violence 3 Units

Term Typically Offered: Occasionally Offered

Description: Examination of the role of ritual in gang culture; discussion of the power of ritual to reinforce and reflect cultural values. Analysis of cultic traditions in gangs in their historical relationships to religious institutions. Critical reflection on the use of ritual violence in organizational and institutional life in human societies. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 314. Black Psychology 3 Units

Term Typically Offered: Spring Only

Description: Forces shading the thoughts, beliefs, life strategies, and concerns of persons of African descent. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 315. Theatre of the African World - AH, D2 3 Units

Term Typically Offered: Spring Only

Description: This course is a cross-cultural examination of theatre and performance modes of select cultural and ethnic groups within Africa and the African Diaspora. The material will focus on performance and dramatic scripts by artists from West and South Africa, East Africa, the Caribbean, and the United States. We will investigate the distinctions in the manifestations of "theatre," "drama," and "performance" in Africa and the African Diaspora by means of lectures, play readings, written responses, in-depth discussions, video screenings, student projects, and presentations. (Humanities)

Note: Cross-listed with TA 365.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 317. African-American Religion - AH, D1 3 Units

Term Typically Offered: Fall Only

Description: This course explores various religious beliefs, practices, experiences, traditions and institutions of African descended people in the United States. Students will be introduced to a range of African American religious traditions and a variety of perspectives within African American religious thought. These traditions and their respective beliefs and practices will be situated within their proper historical, social and cultural contexts.

Note: Cross-listed with HUM 377.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 318. African-American Cultural Traditions 3 Units

Term Typically Offered: Fall Only

Description: Intensive examination of various systems of adaptation of people of African descent in the Americas, such as cultural traditions, urbanization and kinship. (Social Sciences)

Note: Cross-listed with ANTH 318.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 319. African-American History I - D1, SBH 3 Units

Term Typically Offered: Fall, Spring

Description: A unified study of the economic, social, cultural, political, and educational development of African Americans in the United States. Division date: 1865. (Social Sciences)

Note: Cross-listed with HIST 319.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 320. African-American History II - D1, SBH 3 Units

Term Typically Offered: Fall, Spring

Description: A unified study of the economic, social, cultural, political, and educational development of African Americans in the United States. 1865 to present.

Note: Cross-listed with HIST 320.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 322. The History of the Civil Rights Movement, 1900 to Present 3 Units

Term Typically Offered: Fall Only

Description: Study of the modern civil rights movement, its leaders, programs and strategies, from 1900 to present. (Social Sciences)

Note: Cross-listed with HIST 322.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 324. Politics, Political Violence and Black Resistance 3 Units

Term Typically Offered: Occasionally Offered

Description: Examination of the structural, institutional and personal dimensions of violence and the human drama as it unfolds in situations of oppression. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 325. Politics of Black Male Identity in Post-Modern America 3 Units

Term Typically Offered: Spring Only

Description: Examination of factors which contribute to the construction of black American male identity from fraternities and gangs to everyday "cool". (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PAS 326. Black Political Thought: Africa to Afrocentricity** 3 Units
Term Typically Offered: Occasionally Offered
Description: Theories and philosophies which have driven the black experiences before and during the African Diaspora and the scholarly and social significance of the Afrocentric movement in the academy. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 327. Politics of the Black Community - D1, SB** 3 Units
Term Typically Offered: Fall Only
Description: The politics of black sub-communities in the context of political behavior research; political socialization, sub-community power structure, leadership, voter and party roles, strategies of protest, and government outputs. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 329. Slave Trade and Slavery** 3 Units
Term Typically Offered: Fall, Spring, Summer
Description: An historical and sociological study of the trans-atlantic slave trade through 1900. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 330. Women in African-American Religion** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): PAS 200 or consent of instructor.
Description: Role and history of African-American religious institutions of the U.S. Focus on women of African descent in the suffrage, abolitionist, civil rights movements and the womanist movement in contemporary black theology and African-American Islam. (Humanities)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 331. Color Complex of Black Women** 3 Units
Term Typically Offered: Fall Even Years
Description: Study of phenotypes, body image, inter-/intra-gender relationships, media influences, and social norms, from slavery to present, on the development of Black female identities using theories in psychology, sociology, and deconstruction. (Social Sciences)
Note: Cross-listed with WGST 349.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 332. African-American Women - WR** 3 Units
Term Typically Offered: Occasionally Offered
Description: Examination of the status and roles of African-American women from the slave era to contemporary times. Emphasis on migration, urbanization and labor force participation as well as in familiar contexts. (Social Sciences)
Note: Cross-listed with WGST 348.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 333. Black Student Experience: Issues with Persistence & Inclusion in PWIs - D1, SB** 3 Units
Term Typically Offered: Spring Only
Description: Explore the unique challenges of Blacks in higher education in relation to issues of access, retention, graduation, student engagement, satisfaction, and identity formation at Predominantly White Institutions (PWIs). There is an examination of best practice models on Black student retention, using empirically-based methods and mentoring theories and practices. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 335. Survey of African-American Education - D1, SB** 3 Units
Term Typically Offered: Fall, Spring
Description: An in-depth look at the efforts of African Americans to secure educational opportunity and access with special emphasis on contemporary curricular and political issues. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 338. Race and Economics** 3 Units
Term Typically Offered: Occasionally Offered
Description: An examination of the economic character of African-American urban areas. Focus on the types of businesses, capital accumulation and their role in urban America. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 339. Black Women and the Criminology System** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course will examine the various ways the legal system impacts and regulates Black women. Students will critically analyze the effect court decisions and laws have on Black women using an intersectional approach of race, gender, economic class, differently abled bodies, sexual orientation, religion, and nationality. Students will first study legal standards and terminology as well as race and gender theory to develop a solid foundation on which to examine case law, constitutional standards and current events. This course is designed to give students an understanding of how the justice system impacts Black women's lives, maintains systems of inequality, and regulates their bodies. We will look at women lead the criminal justice reform movement both within and outside of the legal system.
Note: Cross-listed with SOC 339 and WGST 339.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 340. African-American Literature - AH, D1** 3 Units
Term Typically Offered: Fall, Spring
Description: Survey of African-American literature from the 18th century to the present.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PAS 341. Black Film and Literature - AH, D1** **3 Units**
Term Typically Offered: Fall Only
Description: Examines history of Black filmmaking and written literature. Explores films and written texts from African, African-American and Caribbean artists. (Humanities)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 342. Black Women Novelists - AH, D2, WR** **3 Units**
Term Typically Offered: Spring Only
Description: Selected novels by contemporary African, African-American and Caribbean women writers, in-depth and in-comparative study. Historical period: Post-1900. (Humanities)
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Cross-listed with WGST 342 and ENGL 342.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 344. Black Lesbian Lives** **3 Units**
Term Typically Offered: Spring Only
Description: Course focuses on black, lesbian-identified people cross-culturally, examining autobiographical accounts and visual culture within the context of LGBTQ politics and discourse. (Social Sciences).
Note: Cross-listed with WGST 344.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 345. Museums, Culture and Nationhood** **3 Units**
Description: Examines the historical and cultural dimensions of museums; explores representations of ethnic groups in museum settings and public culture.
Note: Cross-listed with ANTH 342.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 346. African Languages in the Diaspora - D1, SB** **3 Units**
Term Typically Offered: Occasionally Offered
Description: The course investigates the intersections of linguistic behavior with race, class, and culture within the context of the global African Diaspora. Students will gain an understanding of the broad scope of the African Diaspora and of its impact upon questions of communication and identity in diverse global cultures. Students will gain a fresh perspective in the issues of race, class, and culture as seen in the many manifestations of African and other linguistic influences observed across the African Diaspora. Considering various media, students will examine literature, political speech, popular culture, and other expressive forms as they broaden their concept of "language." An appreciation of the complexity and variety of forms of human communication will provide insights into the appeal and adoption of linguistic and other expressive features across cultural lines. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 348. Aesthetic in the Africana Community** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Investigation of what motivates and informs the behavior, expression, music, thought, philosophy and creativity of Black or African descended people. (Humanities).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 349. African Americans and Islam** **3 Units**
Term Typically Offered: Spring Only
Description: Exploration of the complex relationship between African Americans and Islam. Discussion of Islam in Africa prior to and during slavery, the early 20th-century communities, rise of the Nation of Islam, orthodox Islam, and the influence of Islam on nationalism and artists. (Humanities)
Note: Cross-listed with HUM 349.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 350. African-American Women in Theatre - AH, D1, WR** **3 Units**
Term Typically Offered: Occasionally Offered
Description: This course will explore the theatrical representation of African-American women through the lens of African-American playwrights, designers and theoreticians. Course content will focus on the works of African-American women playwrights, designers and theoreticians and encourage critical discourse on the material covered. Assignments and activities will include Script Analysis, Discussion Board posts, Research Papers, and Quizzes. Assignments are designed to strengthen critical thinking skills, encourage perspective broadening dialogue and research, and enhance your understanding of the experience of the African Diaspora. (Humanities)
Note: Cross-listed with TA 363 and WGST 380.
Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 351. Survey of African Religion and Culture** **3 Units**
Term Typically Offered: Fall Only
Description: This course discusses various African understandings of religion by examining specific traditions, beliefs, and practices from Ancient Egyptians, Yoruba, Dogon, and Dagara, among others. Christianity and Islam are discussed as unique parts of the African religious experience. (Humanities).
Note: Cross-listed with HUM 351.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 353. Acting the Black Experience - AH, D1** **3 Units**
Term Typically Offered: Fall Only
Description: Fundamental approaches to performance developed through improvisation, call and response, rhythm and movement styles that are drawn from the black experience in America.
Note: Cross-listed with TA 322.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 355. Cultural Diversity in Performance - AH, D1 3 Units

Term Typically Offered: Spring Only

Description: Performance and discussion of selected public and private texts written by American minority writers. Course explores what it means to be part of a culturally diverse society.

Note: Cross-listed with TA 326.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 356. History of the African-American Theatre - AH, D1, WR 3 Units

Term Typically Offered: Fall Only

Description: This course will introduce students to the historical, political, and cultural milieu experienced by African Americans and their impact on theatrical expression in theatre and performance.

Note: Cross-listed with TA 366.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 360. African Diaspora in the Caribbean and Latin America 3 Units

Description: Survey of Africans in Caribbean and Latin American cultures and societies, emphasizing the historical and contemporary conditions which influence their sociocultural, economic and political status. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 361. Folklore of the African Diaspora 3 Units

Term Typically Offered: Occasionally Offered

Description: Examination of the folk culture, customs, and beliefs that emerged when Africans settled in the Western Hemisphere. (Social Sciences)

Note: Cross-listed with ANTH 343.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 362. Civil Rights and the Law I 3 Units

Term Typically Offered: Occasionally Offered

Description: An examination of the legal and political aspects of Black civil rights from Reconstruction to World War II. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 363. Civil Rights and the Law II 3 Units

Term Typically Offered: Spring Only

Description: An examination of the legal and political aspects of Black civil rights from World War II to contemporary times. (Social Sciences)

Note: Cross-listed with POLS 320.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 364. Racism and Sexism - D1, SB 3 Units

Term Typically Offered: Summer Only

Description: The impact of racism and sexism on marginally-oppressed communities, as well as their strategies of resistance. (Social Sciences)

Note: Cross-listed with WGST 347.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 366. Inequality and Health: The Black Experience 3 Units

Term Typically Offered: Occasionally Offered

Description: Comparison of health care delivery systems in Africa and the U.S., focusing on those factors that determine accessibility, health financing and alternatives to public health systems in both contexts. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 367. Black Dramatic Literature - AH, D1 3 Units

Term Typically Offered: Spring Only

Description: The primary goal of this course is to accomplish in-depth analyses of selected plays by black dramatists.

Note: Cross-listed with TA 367.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 368. Race, Culture, Identity 3 Units

Term Typically Offered: Occasionally Offered

Description: A cross-cultural examination of racial categories over the last 200 years and their link to gender, political and social trends, ethnicity and nationalism. (Social Sciences)

Note: Cross-listed with ANTH 310.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 369. Music and the Black Arts Movement 3 Units

Description: African-American artists during the Black Arts Movement of the mid-1960's through mid-1970's. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 370. Hip-Hop Culture and Its Impact 3 Units

Term Typically Offered: Occasionally Offered

Description: Key issues in the academic study of hip-hop and exploration of significant themes in the genre's history and production. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 371. Music of the Global Black Revolt 3 Units

Description: Examination of the international impact and interrelationships of several forms of black music during the three decades after World War II. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 372. Black Music and Identity in the 1960s **3 Units**

Description: Examination of African-American artists' attempts in the 1960s and 1970s to produce art that would educate, inspire, and help liberate black people from white supremacist thought and practice. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 374. The Black Power Movement **3 Units**

Term Typically Offered: Occasionally Offered

Description: Examination of the phase of the African-American freedom struggle known as the Black Power Movement, spanning the mid-1960s through the 1970s. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 378. The African-American Experience **3 Units**

Term Typically Offered: Occasionally Offered

Description: An examination of the African-American experience as depicted in literary and artistic genres. (Humanities)

Note: Cross-listed with HUM 378.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 381. African Art: A Survey **3 Units**

Term Typically Offered: Fall Only

Description: Examination of African art from the Paleolithic era to contemporary times. Relationship between classical Egyptian art and sub-Saharan art forms. (Humanities)

Note: Cross-listed with ARTH 341.

Note: May be used to satisfy the Period 3 - Non-Western requirements.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 383. Cultures of Africa - D2, SB **3 Units**

Term Typically Offered: Fall, Spring

Description: This course provides an introduction to the ethnography of postcolonial cultures in sub-Saharan Africa. We will examine cultural, historical, political, and socio-economic factors that shape life in several countries, specifically exploring the complexity and diversity of everyday life in urban areas. The course will be centered upon a series of ethnographic readings, films, and case studies meant to introduce students to the diversity of social worlds and experiences across this broad region. We will focus on a series of core concepts and topics across the semester, including post-coloniality, development and economics, globalization, migration and mobility, activism and politics, informality, and urban space.

Note: Cross-listed with ANTH 323.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 384. Disease, Ecology and Environmental Management in Africa - WR **3 Units**

Term Typically Offered: Occasionally Offered

Description: Relationship between disease agents, and human and physical environment in Africa. Impact of urbanization, industrial pollution and multinational corporations on disease causation and distribution. (Social Sciences)

Note: Cross-listed with GEOG 362.

Note: Approved for the Arts and Sciences upper level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 385. Women in Africa: Historical and Literary Perspective **3 Units**

Description: Survey of the role of women in historical African societies, women under colonialism, in nationalist movements, and in modern African countries. Literature about and by women will be considered. Emphasis on African/female perspective. (Humanities)

Note: Cross-listed with WGST 346.

Note: A prior course in PAS or WGST is recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 386. Africa: Environment and Resources **3 Units**

Description: Natural and human potentials of the African continent, with particular reference to Sub-Saharan Africa. Exploration of social, cultural, economic and political factors influencing use of African resources. Emphasis on factors degrading the environment and constraining optimum use of natural and human resources. (Social Science)

Note: Cross-listed with GEOG 314.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 390. Independent Study **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Overall average of 3.0, and average of 3.5 in the department, and at least 18 semester hours credit in the department.

Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice in the field of Pan-African Studies that is not included in regular courses in the curriculum.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 392. Faces of Global Poverty - WR **3 Units**

Term Typically Offered: Occasionally Offered

Description: Persistent poverty in the Third World and specific groups in the United States. Focuses on causes, consequences, solutions and survival strategies. (Social Sciences)

Note: Cross-listed with WGST 343/SOC 392.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 393. African History Before 1800 - D2, SBH 3 Units

Term Typically Offered: Spring Even Years

Description: This course examines the development of African civilizations and societies across the African continent from early man up until 1800. Special emphasis will be on the establishment of precolonial states and kingdoms, examinations of African lifestyles and traditions, the role of religion and trade throughout African history, and the impact of trans-African slavery on the African continent.

Note: 3-6 hours of HIST or PAS is recommended prior to taking this course.

Note: Cross-listed with HIST 393.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 394. African History Since 1800 - D2, SBH 3 Units

Term Typically Offered: Spring Odd Years

Description: Development of African societies and culture since 1800, including the abolition of trans-Atlantic slavery, colonization, independence movements, Pan-Africanism, and the challenges and successes of African societies in the recent past.

Note: Cross-listed with HIST 394.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 395. Contemporary Africa 3 Units

Description: Continental issues since independence, including such topics as apartheid, liberation movements, military regimes, African socialism, modernization, neocolonialism, cultural trends. (Social Sciences)

Note: Cross-listed with HIST 395.

Note: Junior standing is recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 396. History of the Caribbean 3 Units

Description: Unified examination of the history of the Caribbean region from 1492 to the present, focusing on political economy, race relations and the region's relations with Europe and the Americas. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 407. Theoretical Perspectives in African-American and Diaspora Studies 3 Units

Description: An upper-level undergraduate course that surveys the black intellectual tradition of the discipline of Pan-African Studies. Students will examine theoretical perspective in Black Studies and be exposed to theories of literature, sexuality and popular culture. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 408. Research Methods in Pan-African Studies - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): 12 credit hours in PAS above the 200 level.

Description: The course introduces students to various methods of data collection. Students will learn how to conceive, design, and carry out their own social research. (Social Sciences)

Note: Can be taken in conjunction with PAS 586.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 409. Pan-African Studies Capstone Seminar - CUE 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PAS 408.

Description: The Pan-African Studies Capstone seminar permits students to integrate general and specialized knowledge within the three Black Studies subfields (Historical, Social, Cultural Studies), with a particular focus on research and professional engagement. The course will include classroom discussions of seminal readings in the field, the completion of a research project and a professional seminar geared to assist in achieving further academic and career endeavors.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 410. Black Feminism in Action 3 Units

Term Typically Offered: Fall Only

Description: The course examines the evolution of the Black Feminist consciousness in the U.S. from the 1830s to the present. (Social Sciences)

Note: Cross-listed with WGST 410.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 412. The Underground Railroad and American Memory 3 Units

Term Typically Offered: Occasionally Offered

Description: The course examines the need for and operation of national and International Underground Railroad and abolition movements. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 499. Pan-African Studies Senior Honors Thesis - CUE, WR 3 Units

Prerequisite(s): PAS major/minor with a minimum of 15 hours in discipline; senior standing; 3.0 GPA overall and 3.5 GPA in major/minor; approved by department.

Description: An intensive examination of scholarly study within an area of Pan-African studies involving primary and secondary research, which serves to synthesize knowledge acquired over the course of the students undergraduate career (including coursework, study abroad, internships, and research assistantships where applicable).

Note: All honors thesis projects must be designed and completed under the supervision of a thesis supervisor.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 500. Cooperative Internship in Pan-African Studies 3-6 Units

Prerequisite(s): 12 hours PAS above introductory level.

Description: Assignment with a public agency or organization. Written report and periodic consultation with a professor may be required.

Note: May be repeated for credit but only 3 hours apply towards major or minor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 505. The Black Atlantic 3 Units

Prerequisite(s): 12 hours PAS credit or consent of instructor.

Description: Examination of the intercultural and transnational linkage of Africans in England, North and South America, the Caribbean and the African continent. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 506. Service Learning 3 Units

Description: Placement of students in nonprofit organizations in the Louisville metropolitan region to provide research or programmatic assistance to local community groups. Written reports and frequent consultation with a professor may be required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 508. Independent Study 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Overall GPA of 3.0, a GPA of 3.5 in the department and at least 18 semester hours credit in the department.

Description: Independent study on a topic related to the African Diaspora.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 509. Advanced Contemporary Trends in African-American Art 3 Units

Prerequisite(s): 300-level Art History course.

Description: Survey of contemporary African-American art since the 1960s into current trends today. Examination of contemporary paintings, sculpture, fabric art, folk art, public art, and installation art. (Humanities)

Note: Undergraduate credit may not be earned for this course and PAS 308 or ARTH 349.

Note: Cross-listed with ARTH 549.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 510. Advanced Topics in Afro-American and African Studies 3 Units

Description: Advanced study of a particular topic, issue or area in African-American culture or history, to be announced in Schedule of Courses.

Note: May be repeated as topics vary, but no more than six hours will be accepted in the major.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 513. U.S. Social Justice Movements 3 Units

Prerequisite(s): Junior-level standing.

Description: Course will begin with abolitionism, then concentrate on social justice upsurges of the 20th century, with emphasis on women in the civil rights and Black liberation movements. (Social Sciences)

Note: Cross-listed with WGST 513, HIST 513, and SCHG 513.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 514. History of Pan-African Social Thought 3 Units

Prerequisite(s): Consent of instructor.

Description: Contributions of African and African-American social theorists from Marcus Garvey to Cornell West; role of ideology in relations of domination and oppression. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 516. African-American Philosophy 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PHIL 205 or PHIL 303 or PHIL 304.

Description: Analysis of works and theories of major recent and contemporary African-American philosophers within the themes of Pan-African debates. (Humanities).

Note: Cross-listed with PHIL 516.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PAS 520. The Black Family - WR** **3 Units**
Prerequisite(s): Senior standing.
Description: Nature and function of African-American familial systems from the slave era to the present. Emphasis on impact of public policy on socioeconomic and political status of Black family structures. (Social Sciences)
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 521. Religions of the African Diaspora** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Exploration of religious practices of the African World: Yoruba, Santeria, Vodun/Voodoo, Rastafarianism, Gullah with an emphasis on their African and syncretic names. (Humanities)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 526. Black Heritage Preservation** **3 Units**
Description: An introduction to the interpretive, legal, social and political aspects of historical preservation with a focus on the Black experience, preservation laws, and the power of public memory. An introduction to local, state, and national agencies responsible for site designation, oversight and protection of historical sites and legacies, as well as research and documentation necessary to obtain historical site designations. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 527. Underground Railroad in the Diaspora** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Applied research on the people, events, causes, and methods employed in creating, sustaining and operating a national and international Underground Railroad movement. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 529. Teacher Institute on African-American Issues** **3 Units**
Description: An introduction to Pan-African Studies focusing on multicultural educational strategies for public school educators. (Social Sciences)
Note: Cross-listed with EDAP 590.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 530. The Life and Times of Malcolm X** **3 Units**
Prerequisite(s): Senior standing.
Description: An examination of the career of Malcolm X that engages the intersections of his political thought and public advocacy work with broader trends in United States and world affairs including colonialism and decolonization, the U.S. civil rights movement, and Black Arts and Black Power movements. The course critically examines his ideas about culture, history, and identity, and analyzes the use to which the figure of Malcolm X is put in the United States' popular culture and historical discourses. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 531. Survey of African-American History and Culture for Teachers** **3 Units**
Description: An intensive survey of the history and culture of African Americans for teachers. (Social Sciences)
Note: Cross-listed with EDAP 592.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 532. Slave Trade and Slavery in the African World** **3 Units**
Prerequisite(s): Senior or graduate standing.
Description: An in-depth examination of the evolution and characteristics in the western world, the mechanics and organization of the African slave trade, the nature and types of slave societies established in Europe and the Americas, and the impact of slave trade in Africa. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 533. The History and Popular Culture of the African Diaspora** **3 Units**
Prerequisite(s): Senior or graduate standing.
Description: An intensive, comparative examination of selected topics linking the history and culture of persons of African ancestry in the United States, the Caribbean region, Latin America and Africa. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 535. History of African Americans in Kentucky** **3 Units**
Prerequisite(s): Senior standing or faculty consent.
Description: The history of African Americans in Kentucky from the settlement of the trans-Appalachian region to the present. Special attention to the history of African Americans in Louisville and Jefferson County. The use of primary, secondary, and oral historical sources will be emphasized. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PAS 539. Public History in African Diaspora** **3 Units**
Description: Key issues, primary and secondary sources, and research methods for studying the experiences of persons of African ancestry in the Caribbean, Europe, Latin America, and Brazil. Examination of the challenges and strategies related to interpreting and preserving the Diasporic experience at historic sites, in museums and other public settings. (Social Sciences)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 540. Pedagogy of African Studies 3 Units

Description: Designed for teachers preparing to introduce African Studies materials to primary and secondary school students. (Social Sciences)
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 541. Cultural Heritage, Tourism, and Globalization 3 Units

Description: This course is designed to familiarize you with the anthropological literature on the origins, nature, and character of tourism. It will analyze the way cultural heritage sites become contested spaces, representative of memory, nationhood, history, and culture with particular emphasis on Jewish history and culture in Europe and African Americans in the U.S. (Social Sciences)

Note: Previously cross-listed with ANTH 532.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 542. Black Women's Voices - WR 3 Units

Prerequisite(s): At least 6 (six) credit hours in SS or HU or consent from faculty.

Description: Global synopsis of black women's studies and social thoughts. Highlights roadblocks and bridges experienced. Captures race, gender, class and spatial dimensions. (Social Sciences)

Note: Cross-listed with WGST 543.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both PAS 542/WGST 543 and PAS 643/WGST 643.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 545. Southern Women: Black and White 3 Units

Term Typically Offered: Occasionally Offered

Description: Course focuses on questions of identity for southern women, black and white, by contrasting stereotypes and ideals with realities for these women in the slave, Jim Crow, and modern South. (Social Sciences)

Note: Cross-listed with WGST 545.

Note: Credit may not be earned for this course and PAS 645 or WGST 645.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 546. African Languages in the Diaspora 3 Units

Prerequisite(s): junior standing.

Description: Course investigates the intersections of linguistic behavior from the perspective of the global African Diaspora. Explores the many manifestations of African and other linguistic influences as seen through an analysis of various media. (Humanities)

Note: Credit may not be earned for this course and PAS 346.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 547. Language, Race, Class and Gender 3 Units

Prerequisite(s): Junior standing.

Description: Course investigates the intersections of linguistic behavior with questions of race, class and gender. Students will gain an understanding of the multiple characteristics of communication. (Humanities)

Note: Credit may not be earned for this course and WGST 547.

Note: Cross-listed with WGST 547.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 548. Black Museums and Cultural Heritage 3 Units

Prerequisite(s): 6 credit hours completed in Anthropology or Pan African Studies.

Description: Examination of historical and cultural dimensions of museums and heritage sites in Africa and Africa Diaspora. Representation of Africana ethnic groups depicted in museum setting and public culture. (Social Sciences)

Note: Graduate credit may not be earned for both PAS 548 and PAS 648.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 549. African Americans in Louisville, Kentucky 3 Units

Term Typically Offered: Occasionally Offered

Description: In-depth examination of the history of African Americans in Louisville, Kentucky, from the settlement of the trans-Appalachian west to the present. Through the use of primary, secondary and oral historical sources, the course will focus on the social, cultural, political and economic dimensions of African-American life in Kentucky's largest metropolitan area. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 550. African Popular Culture 3 Units

Description: Examination of the popular arts of Africa, focusing on the variety of aesthetic forms, performance styles, and the sociocultural and political contexts in which they are found. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 551. Studies in African-American Literature 3 Units

Prerequisite(s): ENGL 102 or ENGL 105 and junior standing.

Description: In-depth study of selected movements, topics, or groupings of African-American writers. (Humanities)

Note: Cross-listed with ENGL 550.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 557. African Philosophy**3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** PHIL 301, or PHIL 302, or PHIL 303, or PHIL 304.**Description:** Descriptive and analytical introduction to the ideas and themes in African philosophy through careful readings of texts which address a cluster of topics. (Humanities)**Note:** Cross-listed with PHIL 557.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 566. Race and Gender in Psychological Research**3 Units****Description:** Critical review of psychology with respect to issues of race and gender. Examines theory and research paradigms, modern, postmodern and Afrocentric methodologies. (Social Sciences)**Note:** Cross-listed with PSYC 566.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 567. Post-Colonial Voices: Writing Experience in African Literature - WR**3 Units****Prerequisite(s):** ENGL 102 or ENGL 105; Junior standing.**Description:** Examination of "post-coloniality" through a selection of fiction and literary criticism by African writers. Historical period: post-1900.**Note:** Cross-listed with ENGL 567.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 575. Genre Studies in African-American Literature**3 Units****Prerequisite(s):** ENGL 102 or ENGL 105, and junior standing.**Description:** In-depth study of a selected genre of African-American literature. (Humanities)**Note:** Cross-listed with ENGL 575.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 577. The Harlem Renaissance**3 Units****Prerequisite(s):** ENGL 102 or ENGL 105; and Junior standing.**Description:** In-depth study of the literature of the Harlem Renaissance in relation to other literary and artistic productions of the period and to cultural and historical contexts. (Humanities)**Note:** Cross-listed with ENGL 577.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 578. The Music of the Black Church**3 Units****Term Typically Offered:** Fall, Spring**Description:** This course is designed for the upper division or graduate student in music or Pan-African studies and explores the historical and musical development of African-American sacred music from slavery to the present; from Spirituals to traditional and contemporary Gospel music. Special emphasis is given to the impact that this music has had on African-American culture in the United States, which represents a synthesis of African and European cultures into a unique hybrid with its own tradition of development.**Note:** Cross-listed with MUS 578.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 581. Pan-African Art: Form and Content**3 Units****Prerequisite(s):** Consent of instructor.**Description:** Similarities and differences in African-American folk art, Caribbean folk art and traditional African art. (Humanities)**Note:** Cross-listed with ARTH 544.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 586. Field Research**3-6 Units****Prerequisite(s):** 12 hours PAS credit or consent of instructor.**Description:** On-site field study of a particular aspect of society in the African Diaspora.**Note:** Maximum of 6 credit hours, depending upon project.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PAS 590. Studies in African History - WR**3 Units****Prerequisite(s):** Junior standing or faculty consent.**Description:** Intensive study of a particular topic chosen by the instructor, for example, slavery and the slave trade, traditional kingdoms. (Social Sciences)**Note:** Cross-listed with HIST 590.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).**Note:** Nine prior hours of HIST or PAS is recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Paralegal Studies (PARA)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PARA 101. Legal Systems and the Paralegal 3 Units

Term Typically Offered: Fall, Spring

Description: Examination of state and national judicial systems and procedures, the role and responsibilities of paralegals in those systems.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 102. Legal Research and Writing 3 Units

Term Typically Offered: Fall, Spring

Description: Legal library system, research methods, case law analysis. Includes research and writing assignments.

Note: May be taken concurrently with PARA 101.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 203. Advanced Legal Research and Writing 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Use of skills learned in PARA 102 to perform sophisticated research and draft complex legal documents.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 305. Family Law 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Procedural aspects of cases involving marriage, divorce, separation, child support, custody, guardianship, maintenance, and other related subjects.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 310. Torts for Paralegals 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Introduction to tort law, including examination and analysis of medical malpractice, products liability and personal injury law for the paralegal.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 320. Computers and the Law 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: A practical introduction to the use of computers in the legal environment, with concentration on various computer applications for the legal professional and computerized legal research.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 325. Litigation 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Introduction to civil litigation, fact investigation, discovery techniques, interviewing, evidence, commencement of lawsuits and case management.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 326. Criminal Litigation 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: An introduction to criminal litigation for the paralegal.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 327. Evidence for Paralegals 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: The history, form, and substance of the rules of evidence, including a comparison of state and federal rules of evidence.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 340. Business Associations and Transactions 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Legal problems associated with transactions relating to proprietorships, partnerships, and corporations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 350. Wills, Estates and Trusts 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Will writing, probate, tax preparation, asset management and distribution, estate planning and drafting, trust agreements and record keeping.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 360. Consumer Law 3 Units
Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Survey of consumer law such as truth-in-lending, credit opportunity, reporting and charges, warranties and product liability. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 370. Real Estate Law for Paralegals 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Introduction to real property, title holding and abstracting, recording statutes, deeds, mortgages, settlements and closings. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 390. Paralegal Internship 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PARA 101, PARA 102, PARA 203; 9 credit hours of 300-level PARA courses; 2.75 GPA in PARA courses and 2.5 overall GPA.

Description: One hundred and forty (140) hours of actual supervised practical experience in a legal setting.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 391. Topics in Paralegal Studies 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PARA 101, PARA 102, 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Topics to be announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 395. Independent Study for Paralegals 1-3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PARA 101 and PARA 102, and 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: Study of specific, focused topic in paralegal studies with professor supervision. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PARA 399. Professional Ethics for Paralegals 1 Unit
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Paralegal majors only; 2.75 GPA in PARA courses, and 2.5 overall GPA.

Description: A study of ethical issues for paralegals, with emphasis on situations arising in the internship/work environment. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Peace, Justice and Conflict Transformation (PEAC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PEAC 201. Peace and Conflict: For Daily Life, Civic Affairs, and Professional Life Ahead - D2, SB 3 Units
Term Typically Offered: Fall, Spring

Description: This introduction to Peace Studies gives students basic knowledge and skills in essential concepts including: understanding and transforming conflict in their personal lives, their nation, and their world; cultural competency at home and abroad; peace and nonviolence in practice; and sustainability. Students learn through readings, films, in-class activities, and out-of-class service learning. They will write a mission statement for their life that reflects how they can include principles encountered in the class in their personal and professional lives ahead.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 325. Peace, Justice & Conflict Transformation 3 Units
Term Typically Offered: Fall, Spring, Summer

Description: Introduces fundamental issues within the broad realm of Peace Studies and deepens student skills in critical thinking, conflict analysis, and problem solving. Core issues: conflict analysis, non-violent action, violence prevention, warism, peacebuilding, and gender and peace. (Social Science)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 350. Mediation & Conflict Transformation **3 Units**

Term Typically Offered: Occasionally Offered
Description: Basic skills include understanding the place and role of mediation as a conflict transformation tool; applying techniques for constructive negotiation; understanding sources of conflict and recognizing conflict management styles; gaining practical experience in conflict resolution techniques and skill building; understanding stages of mediation; acquiring listening and communication skills; understanding directive, facilitative, and transformative styles of mediation. (Social Science)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 375. Independent Study in Peace Studies **1-3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): This section requires permission of the instructor.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 525. Peace, Justice & Conflict Transformation **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): Graduate standing.
Description: Introduces fundamental issues within the broad realm of Peace Studies and deepens student skills in critical thinking, conflict analysis, and problem solving. Core issues: conflict analysis, non-violent action, violence prevention, warism, peacebuilding, and gender and peace.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 545. Basic Mediation & Conflict Transformation **3 Units**

Prerequisite(s): Graduate standing.
Description: Basic skills include understanding the place and role of mediation as a conflict resolution tool; applying techniques for constructive negotiation; understanding sources of conflict and recognizing conflict management styles; gaining practical experience in conflict resolution techniques and skill building; understanding stages of mediation; acquiring listening and communication skills; understanding directive, facilitative, and transformative styles of mediation.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 550. Service Learning in Peacebuilding **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PEAC 325 and PEAC 350.
Description: All students will complete service learning in peace-building after completing other requirements for certificate in Peace, Justice & Conflict Transformation. They will work within an approved organization whose focus is some aspect of peace, justice, or conflict transformation. The objective is for them to learn first-hand how principles and theories studied in previous classes are applied in the field. (Social Science)
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PEAC 575. Independent Study in Peace, Justice & Conflict Transformation **1-5 Units**

Prerequisite(s): Minimum GPA of 3.0, or at least 45 semester hours credit, and permission of PJCT Director.
Description: Independent study is available to selected undergraduates or graduate students with a specific topic to focus upon that fits within the broad sphere of Peace, Justice & Conflict Transformation. Students will be supervised by either the director of the program or another individual appropriate for the selected topic.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Pharmacology and Toxicology (PHTX)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHTX 395. Basic Pharmacology **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): Permission of Instructor.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Philosophy (PHIL)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>PHIL 205. Introduction to Philosophy - AH 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): ENGL 101. Description: Selected writings by important philosophers (e.g., Plato, Aristotle), illustrating their problems, methods, and conclusions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 220. Readings in Ethics 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Occasionally Offered Prerequisite(s): Permission of Department. Description: Students in this course will develop and exercise their critical thinking capacity and knowledge of ethics as understood in western philosophy through exploring history, topics, and ways of thinking about ethics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 206. Introduction to Philosophy through Literature and Film - AH 3 Units Term Typically Offered: Fall, Spring, Summer Description: Study of central philosophical problems using literary and cinematic works, as well as traditional philosophical texts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 222. Contemporary Moral Problems - AH 3 Units Term Typically Offered: Fall, Spring, Summer Description: Moral aspects of current medical, legal, political, environmental and social problems and of the presuppositions contained in their various solutions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 207. Introduction to Philosophy through Cultural Diversity - AH, D2 3 Units Term Typically Offered: Fall, Spring Description: Survey of historical canonical contributions to western philosophy juxtaposed with minority voices to understand how social, economic, and cultural situatedness affect bodies of knowledge. Note: Cross-listed with WGST 207 and PAS 207. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 225. Business Ethics 3 Units Term Typically Offered: Fall, Spring, Summer Description: Analysis of moral problems that arise in contemporary business practice and of the different ethical frameworks proposed to resolve them. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 208. Science Fiction and Philosophy - AH 3 Units Term Typically Offered: Fall, Spring Description: Introduction to philosophical problems, philosophers, and methods through works of science fiction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 300. Philosophy in Dialogue 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: A course where philosophy majors can engage in dialogue about the nature of philosophy, the practice of philosophy, and how philosophy can promote life-long success and well being. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 209. The Good Life - AH 3 Units Term Typically Offered: Fall, Spring Description: Introduction to philosophical problems, philosophers, and methods through an investigation into the good life. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 301. Ancient Philosophy 3 Units Term Typically Offered: Fall Only Description: Greek and Roman philosophy from the pre-Socratics through the neo-Platonists. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 211. Critical Thinking - AH 3 Units Term Typically Offered: Fall, Spring, Summer Description: Introduction to and practice in methods of critical thinking, including argument identification, construction and revision; assessment of evidence; and critique of reasoning. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 302. Medieval Philosophy 3 Units Term Typically Offered: Spring Only Description: European philosophy from Augustine to the Renaissance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 219. Sex and Values - AH, D1 3 Units Term Typically Offered: Occasionally Offered Description: Critical studies of the treatment of sex in various moral philosophies, including a survey of classical viewpoints, but emphasizing contemporary writings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 303. Modern Philosophy 3 Units Term Typically Offered: Spring Only Description: European philosophy from the Renaissance through Kant. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>PHIL 304. Recent Philosophy Term Typically Offered: Occasionally Offered Description: Developments in philosophy from Kant to the present. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 318. Philosophy and Feminism - AH, D1 Term Typically Offered: Fall Only Description: An examination of philosophical issues involved in feminism, including classical, but emphasizing contemporary discussions. Note: Cross-listed with WGST 360.</p>	<p>3 Units</p>
<p>PHIL 305. Selected Topics Term Typically Offered: Fall Only Prerequisite(s): Junior standing or faculty consent; other prerequisites determined by the instructor, depending on topic. Description: Examination of a selected topic in Philosophy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>PHIL 319. Philosophy of Race and Racism - AH, D1 Term Typically Offered: Spring, Summer Description: A critical examination of philosophical issues involved in interdisciplinary inquires into race and racism. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>PHIL 306. Nineteenth-Century Philosophy Term Typically Offered: Fall Only Description: Major developments in European philosophy in the nineteenth century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 320. Death Description: Critical studies of the treatment of death in major philosophies, including a survey of classical viewpoints, but emphasizing contemporary writings. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>PHIL 307. Twentieth-Century Philosophy Term Typically Offered: Spring Only Description: Major developments in European philosophy in the twentieth century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 321. Ethics Term Typically Offered: Fall, Spring, Summer Description: Main theoretical frameworks for systematically addressing questions about moral obligation and the good life. Additional topics may include responsibility, virtue, justice, law and morality, relativism, evil, and reasons to be moral. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>PHIL 308. Social and Political Philosophy Term Typically Offered: Occasionally Offered Description: Classical and contemporary philosophies of society and the state, individual in society, and social change. Philosophical analysis of such concepts as justice, revolution, freedom, and duty. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 323. Medical Ethics Term Typically Offered: Fall, Spring, Summer Description: Analysis of codes of ethics and concepts of ethical practice in the profession of medicine; historical developments, contemporary problems, and case studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>PHIL 311. Introduction to Logic Term Typically Offered: Fall, Spring, Summer Description: Introduction to formal and informal techniques of argument analysis, with emphasis on applications to ordinary language. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 325. Feminist Medical Ethics Term Typically Offered: Fall, Spring Description: Analysis of codes of ethics and concepts of ethical practice in the profession of medicine through a feminist framework; historical developments, contemporary problems, and case studies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>PHIL 315. Asian Philosophy - AH, D2 Term Typically Offered: Occasionally Offered Description: This course explores a variety of philosophical questions as discussed in work by Indian, Chinese, and Japanese philosophers (as well as their commentators), including: What is real, what is the nature of things, and what is the self?; How do we know what we know?; What is right, and what is wrong?; What is human nature like, and how fixed is it?; How should we live, especially in light of human morality? For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>PHIL 328. Environmental Ethics Term Typically Offered: Fall Odd Years Description: Examination of the moral status of the natural environment and ethical problems of human/environment interaction. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>PHIL 331. Philosophy of the Arts 3 Units Term Typically Offered: Fall, Spring Description: The nature of art, appreciation, and criticism, with emphasis on contemporary discussions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 358. Mind and Brain 3 Units Term Typically Offered: Occasionally Offered Description: Introduction to the philosophy of cognitive science, esp. cognition and intelligence, synthesizing research from cognitive psychology, computer science, linguistics, neuroscience and contemporary philosophy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 341. Philosophy of Language - WR 3 Units Term Typically Offered: Fall Only Description: Philosophical problems concerning language, such as meaning, use, reference, private language, and their interrelation. Note: Cross-listed with LING 341. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 385. Introduction to Existentialism 3 Units Term Typically Offered: Occasionally Offered Description: A broad survey of existential thought as expressed in philosophical and literary sources. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 345. Philosophy of Religion 3 Units Term Typically Offered: Fall, Spring Description: Problems concerning religious knowledge, the existence and nature of God, and human destiny. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 398. Senior Honors Seminar 3 Units Prerequisite(s): Junior standing; admission to department Honors Program. Description: Seminar devoted to the intensive investigation of a major substantive or theoretical area within the field of philosophy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 350. Philosophy of Law 3 Units Term Typically Offered: Occasionally Offered Description: Theory of law and philosophical problems arising from the existence and practice of law as developed in the major philosophical traditions in the West. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 399. Senior Honors Seminar - WR 3 Units Term Typically Offered: Spring, Summer Prerequisite(s): Junior standing; admission to department Honors Program. Description: Seminar devoted to the intensive investigation of a major substantive or theoretical area within the field of philosophy. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>
<p>PHIL 356. Metaphysics - WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Two courses in philosophy or faculty consent. Description: Study of such fundamental concepts as being, essence, existence, substance, process, change, space, time, eternity, matter, mind, self, value, and cause. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHIL 357. Personal Identity and the Self 3 Units Term Typically Offered: Occasionally Offered Description: Philosophical analysis of metaphysical, existential, social and postmodern concepts of personal identity, drawing from classical and contemporary sources. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHIL 401. Philosophy Internship 3 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring Description: Application of academic training in an organizational context. Faculty consent required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>PHIL 412. Symbolic Logic 3 Units Term Typically Offered: Occasionally Offered Description: Semantic and syntactic methods for first-order propositional and predicate logic. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

- PHIL 499. Senior Honors Thesis - WR** **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): Senior standing; admission to department Honors Program.
Description: An intensive examination of a topical area in philosophy undertaken with a designated faculty director.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 501. Independent Study** **1-3 Units**
Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 502. Philosophy Capstone Seminar - CUE** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): 24 hours of PHIL courses; major in Philosophy.
Description: Seminar with variable content consisting in sustained and rigorous primary philosophical study and reflection; required of all philosophy majors as close to graduation as feasible.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 505. Selected Topics** **3 Units**
Prerequisite(s): To be determined by instructor, in the light of the topic chosen for that semester.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 512. Advanced Symbolic Logic** **3 Units**
Prerequisite(s): PHIL 412 or consent of instructor.
Description: Topics in the theory and application of modern logic.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 516. African-American Philosophy** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): PHIL 205 or PHIL 303 or PHIL 304.
Description: Analysis of works and theories of major recent and contemporary African-American philosophers within the themes of Pan-African debates.
Note: Cross-listed with PAS 516.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 518. Feminist Philosophical Literature** **3 Units**
Prerequisite(s): Junior standing.
Description: Examination of central works by feminist philosophers in such subdisciplines as ethics, political philosophy, and epistemology.
Note: Cross-listed with WGST 560.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 519. Topics in Philosophy of Race and Racism** **3 Units**
Description: Focused examination of philosophical issues involved in interdisciplinary inquires into the nature and functioning of race and racism.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 521. Ethical Theory - WR** **3 Units**
Prerequisite(s): One course in ethics or consent of instructor.
Description: Recent developments in ethical theory, such as examinations of the status of moral facts; moral realism; impartiality and personal attachments; or moral agency.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 528. Philosophy of Mind** **3 Units**
Prerequisite(s): Two semesters of philosophy or consent of instructor.
Description: Philosophical analysis of contemporary theories about the mind.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 529. Philosophy of Emotions** **3 Units**
Prerequisite(s): One course in philosophy or consent of instructor.
Description: Philosophical studies in the nature, interrelations, and moral and aesthetic value of specific emotions, such as pride, shame, guilt, regret, jealousy, envy, resentment, anger, hate, contempt, love, joy, happiness, contentment.
Note: Cross-listed with PHIL 629.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 531. Aesthetics** **3 Units**
Description: An examination of philosophical theories of art, works of art, creative activity, and aesthetic experience, from Plato to the present.
Note: Credit may not be earned for both PHIL 531 and PHIL 631.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PHIL 535. Political Philosophy** **3 Units**
Prerequisite(s): Two courses in philosophy and/or political science.
Description: The main concepts of contemporary political thought: rights, law, power, ideology, legitimacy, democracy, tyranny, the state, and justice, with the focus on the topic of political action in both its individual and collective forms.
Note: Credit may not be earned for both PHIL 535 and PHIL 635.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 536. Philosophy of Science** **3 Units**
Prerequisite(s): Two courses in philosophy and two courses in biology, chemistry, physics, or geology or consent of instructor.
Description: Philosophical problems connected with scientific explanation, laws, theories, concepts, goals and methods.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 537. Philosophy of the Social Sciences** **3 Units**
Prerequisite(s): One philosophy course and one upper-level course in political science, psychology, sociology, anthropology, economics, or geography; or consent of instructor.
Description: Critical analysis of methodological, valuational, and metaphysical problems in the social sciences.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 538. Critical Social Theory** **3 Units**
Term Typically Offered: Occasionally Offered
Description: A critical examination of interdisciplinary theories that seek to understand and explain social formations while at the same time uncovering ways that such formations can be unjust and irrational.
Note: Cross-listed with SCHG 538.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 540. Epistemology - WR** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): Junior standing or consent of instructor.
Description: Conceptual and historical background to analysis of knowledge claims; intensive study of theoretical approaches to knowledge, such as naturalized epistemology; socialized epistemology, feminist epistemology, postmodern critiques of normative conceptions of knowledge.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Credit may not be earned for both PHIL 540 and PHIL 640.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 553. Plato and Platonism** **3 Units**
Prerequisite(s): PHIL 301 or consent of instructor.
Description: Plato's dialogues, and the course of Platonist thought through Plotinus and the Christian philosophers, to modern times.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 554. Aristotle and Aristotelianism** **3 Units**
Prerequisite(s): PHIL 301 or consent of instructor.
Description: Aristotle's basic works and their influence on St. Thomas Aquinas and others in the Middle Ages.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 557. African Philosophy** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): PHIL 304, or PHIL 302, or PHIL 303, or PHIL 301.
Description: Descriptive and analytical introduction to the ideas and themes in African philosophy through careful readings of texts which address a cluster of topics.
Note: Cross-listed with PAS 557.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 572. Phenomenology** **3 Units**
Prerequisite(s): PHIL 303 or consent of instructor.
Description: The development of the phenomenological method and its use from Husserl to the present.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 573. Existentialism** **3 Units**
Prerequisite(s): Two semesters of philosophy or consent of instructor.
Description: The thought of Kierkegaard, Nietzsche, Heidegger, Jaspers, Sartre, Marcel, and others, and its significance.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 575. Postmodernism** **3 Units**
Description: Multidisciplinary examination of challenges to ideals, norms, and beliefs of modernity, and identifying characteristics of postmodern thought, as they appear in various disciplines and in cultures.
Note: Credit may not be earned for both PHIL 575 and PHIL 675.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 580. Foundations of Bioethics** **3 Units**
Prerequisite(s): One Philosophy course at 300-level or above, or consent of instructor.
Description: Grounding in the major theories and methods of bioethical decision-making, including contemporary controversies about the role of theory, principles, cases, narrative, and virtues.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHIL 581. Current Controversies in Health Care Ethics** **3 Units**
Prerequisite(s): One Philosophy course at 300-level or above, or consent of instructor.
Description: Topics in health care ethics currently attracting the most attention in both professional and public discussions. A variety of viewpoints on these topics will be considered.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHIL 582. Gender, Race, and Culture in Health Care 3 Units

Prerequisite(s): One Philosophy course at 300-level or above, or consent of instructor.

Description: Examines ways social groupings and systems affect the kind of health care needed and the kind people receive. Addresses both biases and stereotypes, and empirical claims about biologically-based differences.

Note: Cross-listed with WGST 582.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHIL 583. Health Care, Justice & Community 3 Units

Prerequisite(s): One Philosophy course at 300-level or above, or consent of instructor.

Description: Examines theories of justice and equality as they apply to issues in health care delivery, considers explanations for why disparities exist, and the practical ways that communities have addressed inequalities.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHIL 590. Fundamentals of Diversity 3 Units

Term Typically Offered: Occasionally Offered

Description: This course will provide an overview of the theory and practice of diversity. Diversity is understood as the many sociocultural differences between individuals and the differences that those differences make for those individuals. In this course, we will explore the historical context of oppression, the oppression framework for understanding diversity, privilege, social identity, the role of the body in diversity, stereotypes, and the personal experiences of both those who are oppressed and those who are privileged. Students will also have a substantial opportunity to examine how these general themes impact their particular area of study, work, or interest.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Philosophy, Politics, and Economics (PPE)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PPE 300. Introduction to Philosophy, Politics, and Economics - SB

3 Units

Term Typically Offered: Fall Only

Description: This course introduces students to the interdisciplinary study of Philosophy, Politics, and Economics. Taken together these subjects enable a rigorous yet applied study of society and social institutions such as governments, markets, and firms, and civil society more generally.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PPE 499. Selected Readings in Philosophy, Politics, and Economics

3 Units

Term Typically Offered: Spring Only

Description: This capstone course enables students, through guided discussion, to read and understand major historical and contemporary works in Philosophy, Politics, and Economics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Physics and Astronomy (PHYS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHYS 107. Elementary Astronomy - S

3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the basic laws of nature as seen in the large-scale structure of the universe: galaxies, stars and our solar system.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHYS 108. Elementary Astronomy Laboratory - SL

1 Unit

Term Typically Offered: Fall, Spring

Prerequisite(s): Concurrent or prior registration in PHYS 107.

Description: Experiments in astronomy illustrating basic physical concepts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>PHYS 111. Elements of Physics - B 4 Units Term Typically Offered: Fall, Spring Prerequisite(s): Appropriate math placement. Description: An introduction to the physics of mechanics, forces, energy and momentum. Electricity and magnetism: electrical conduction, and magnets. Optics: color, mirrors, and lenses. Basic ideas and concepts of quantum physics. Note: May not be taken by student who has completed 5 or more hours in Physics at the 200-level. Note: Not acceptable toward a Physics major.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 224. Fundamentals of Physics Laboratory II - SL 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 222 (or concurrently). Description: Experiments in electricity, magnetism, and light. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 219. Contemporary Issues in Meteorology Lab - SL 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Concurrent enrollment in GEOS 220/PHYS 220. Description: A lab designed to provide real-world examples of atmospheric processes through analysis and problem solving using basic concepts and physical principles relevant to the atmosphere. Note: Cross-listed with GEOS 219.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 295. Introductory Laboratories I - SL 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 298 (or concurrently). Description: Experiments in mechanics and heat. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 220. Contemporary Issues in Meteorology - S 3 Units Term Typically Offered: Fall, Spring Description: Contemporary issues serve as an introduction to the physical basis, distribution and consequences of global-scale meteorological phenomena. Note: Cross-listed with GEOS 220.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 296. Introductory Laboratories II - SL 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 299 (or concurrently). Description: Experiments in electricity, magnetism, and light. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 221. Fundamentals of Physics I - S 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Appropriate Math placement. Description: Basic concepts and methods of physics as applied in the study of mechanics, heat and sound. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 298. Introductory Mechanics, Heat and Sound - S 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): MATH 205 or ENGR 101 (or concurrently in either). Description: Basic methods of physics with calculus applied to topics in mechanics, heat and wave motion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 222. Fundamentals of Physics II - S 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHYS 221 or PHYS 298 or equivalent. Description: Basic concepts and methods of physics as applied in the study of electricity, magnetism, optics and modern physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 299. Introductory Electricity, Magnetism and Light 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 298 and (MATH 206 or ENGR 102 (or concurrently in either)). Description: Basic methods of physics with calculus applied to topics in electricity, magnetism and light. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 223. Fundamentals of Physics Lab I - SL 1 Unit Term Typically Offered: Fall, Spring, Summer Prerequisite(s): PHYS 221 (or concurrently). Description: Experiments in mechanics, heat and sound. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 300. Introductory Modern Physics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHYS 299; physics majors should take PHYS 301 concurrently. Description: Introduction to special relativity and quantum theory, with applications to atomic, nuclear, and solid state physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 301. Introductory Modern Physics Laboratory 1 Unit Term Typically Offered: Fall Only Prerequisite(s): PHYS 300 (or concurrently). Description: Experiments in modern physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 300. Introductory Modern Physics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHYS 299; physics majors should take PHYS 301 concurrently. Description: Introduction to special relativity and quantum theory, with applications to atomic, nuclear, and solid state physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>PHYS 307. Introductory Stellar Astrophysics 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 299; MATH 206 or ENGR 102; PHYS 300 recommended. Description: A calculus-based introduction to the physics of the solar system, and stars, covering celestial mechanics, tides, the nature of light, star and planet formation and evolution. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 360. Introduction to Weather Analysis 3 Units Term Typically Offered: Fall Only Prerequisite(s): MATH 205 or ENGR 101. Description: A study of day-to-day weather patterns with an emphasis on understanding the basics of meteorological processes, forecast preparation, and mastery of manual data analysis. Topics covered will include manual construction of weather maps, interpreting observations, an introduction to physics of meteorological processes and the structure of circulation patterns. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 308. Observational Astronomy 1 Unit Term Typically Offered: Fall Only Prerequisite(s): PHYS 221 and PHYS 222, or PHYS 298 and PHYS 299, or equivalent. Description: Optical astronomy including observing at Moore Observatory, solar observing, instrumentation control with computers, and astronomical data acquisition and interpretation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 361. Atmospheric Thermodynamics 3 Units Term Typically Offered: Spring Only Prerequisite(s): MATH 206 or ENGR 102 with a C or better, or an ACT Math score of 24, or a SAT Math score of 550; and MATH 301 or ENGR 201 (or either concurrently). Description: An introduction to the principles of thermodynamics and their applications to atmospheric structure and dynamics. Includes the study of relationships among pressure, temperature, density, internal energy, entropy, atmospheric interaction with gravity, and the central role of water in atmospheric dynamics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 350. Differential Equations for the Physical Sciences 4 Units Term Typically Offered: Fall Only Prerequisite(s): MATH 206 or ENGR 102 or permission of instructor. Description: Topics include methods of solution of differential equations, and simple modeling of phenomena using differential equations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 362. Physical Meteorology 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 361. Description: An introduction to the application of physics to atmospheric structure and dynamics. Includes cloud formation, and the effects of planetary rotation on large-scale atmospheric motion. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 351. Atomic and Nuclear Physics Laboratory 2 Units Term Typically Offered: Spring Only Prerequisite(s): PHYS 300. Description: Experimental procedures in atomic and nuclear physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 365. Mesoscale Meteorology 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHYS 360. Description: Introduction to mesoscale processes, with an emphasis on convective storms and severe weather, and the techniques used for the study and prediction of such events. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 355. Optics 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 299. Description: Introduction to wave theory of light and relation between light waves and rays; theory of thick lenses and lens aberrations; interference and diffraction of coherent light. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 371. Special Topics 3 Units Prerequisite(s): Faculty consent. Description: Exploration of intermediate level of some well-defined topic not treated comprehensively in a regular course. Note: Topic announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 356. Optics Laboratory 2 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 299. Description: Laboratory experiments illustrating the reflection, refraction, interference, diffraction, and polarization of light. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>PHYS 390. Introductory Computational Physics 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): PHYS 300 and MATH 301. Description: Introduction to the Unix/Linux operating system and the use of contemporary programming languages with applications to physics, including basic numerical methods, simulations, and data manipulation. Introduction to scientific software packages including data visualization. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 466. Dynamic Meteorology II 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHYS 465. Description: This is the second semester in the theory of atmospheric dynamics and dynamic meteorology. Topics may include shear instability, atmospheric waves, moist convection, and weather fluctuation. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 430. Practicum in Physics Education - CUE 1 Unit Term Typically Offered: Fall, Spring Prerequisite(s): Completion of PHYS 300 and PHYS 460; PHYS majors only; permission to enroll required; minimum 3.0 GPA in major to be eligible. Description: A guided learning experience in inquiry-based instructional techniques and best practices in STEM education that includes field experience as an undergraduate teaching assistant. Note: May be repeated for a maximum of 6 credit hours. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 469. Synoptic Meteorology - CUE 3 Units Term Typically Offered: Spring Only Corequisite(s): PHYS 466. Description: Employing knowledge and skills developed over the entire program, the course will examine the structure and dynamics of mid-latitude weather systems. Students will learn to integrate observations, numerical weather prediction models, and the physical principles developed in previous courses to understand the atmosphere's behavior and develop weather forecasts. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 450. Introductory Mathematical Physics 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): PHYS 350 or ENGR 205 or MATH 405; MATH 301 or ENGR 201. Description: Introduction to mathematical methods and concepts used in physics. Topics include: vector calculus, matrices and linear vector spaces, special functions and partial differential equations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 495. Communicating in Physics 1 Unit Prerequisite(s): Senior standing. Description: Preparation and oral presentation of scientific results in a seminar format. Organization and written presentation of scientific results in a journal format. Communication of research results through a website. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 460. Mechanics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHYS 298 and PHYS 350. Description: Kinematics, particle dynamics, oscillatory motion, central forces, rigid body motion, variation methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 496. Senior Seminar in Physics - CUE, WR 3 Units Prerequisite(s): PHYS 460 and senior standing. Description: Students will review current professional journals in the discipline and discuss effective scientific writing, including the draft and revision process. Students will write a reflect on the connections between their physics education and critical thinking models. Students will also perform a research project and present the results in journal format. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 465. Dynamic Meteorology I 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 361. Description: An introduction to the theory of atmospheric dynamics with application of Newtonian physics and classical thermodynamics to geophysical fluid dynamics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

- PHYS 497. Senior Thesis in Physics - CUE, WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): PHYS 460 and senior standing.
Description: Students will perform original research and write up their methods and results in a multi-chapter thesis. Research projects may be a continuation of previously initiated research.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 498. Undergraduate Research** 1-3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PHYS 301, PHYS 350, PHYS 351 and approval of instructor.
Description: Experimental or theoretical research under the guidance of a physics faculty member. The student will participate in one of the ongoing research projects in the department. The student will acquire hands-on-experience in an actual research project. The student will produce a written report on the results of the research project.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 499. Cooperative Internship in Physics - CUE** 1-3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PHYS 295, PHYS 296, PHYS 298, PHYS 301 and 6 additional hours in Physics; Junior standing or above; approval of department.
Description:
Note: May be repeated to a maximum of 6 hours.
Note: Three hours may apply toward BA or BS major programs as upper division major electives or may be used to satisfy requirement for Culminating Undergraduate Experience.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 501. Independent Study** 1-3 Units
Description: Independent research conducted with the approval and supervision of a faculty member.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 502. Independent Study** 1-3 Units
Description: Independent research conducted with the approval and supervision of a faculty member.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 507. Solar System Astronomy** 3 Units
Prerequisite(s): PHYS 300; MATH 206 or ENGR 102.
Description: This is an advanced course in solar system astrophysics, and will cover orbital mechanics, the nature of light, astronomical instrumentation, solar physics, planetary atmospheres/geophysics, comets/asteroids, interplanetary dust and exo-planets.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 520. Vibrations and Sound** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): PHYS 298, PHYS 299 and MATH 206.
Description: Vibrating bodies, propagation of sound waves, physical acoustics, and ultrasonics.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 530. Thermal Physics** 3 Units
Prerequisite(s): PHYS 299; MATH 301 or ENGR 201.
Description: The laws of thermodynamics, thermodynamic reasoning, and elements of statistical mechanics.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 531. Introductory Statistical Physics** 3 Units
Prerequisite(s): PHYS 530.
Description: Elementary probability theory applied to the understanding of properties of macroscopic matter in terms of their microscopic constituents. Kinetic theory of gases, transport phenomena. Equations of state derived from ensemble theory.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 541. Electromagnetic Fields** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): PHYS 300; PHYS 350 or MATH 405 or ENGR 205; MATH 301 or ENGR 201.
Description: Electrostatic and magnetostatic fields in free space and in material media, solutions of Poisson's equation, time dependent fields, Maxwell's equations.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 542. Electromagnetic Radiation** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): PHYS 541.
Description: Poisson's equation and LaPlace's Equation, propagation of electromagnetic fields with applications to optics and microwave physics.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PHYS 545. Advanced Optics** 3 Units
Prerequisite(s): PHYS 355 and PHYS 542; or consent of instructor.
Description: Topics in optical physics including optical system design, lasers, and quantum optics.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>PHYS 546. Advanced Optics Lab 1 Unit Prerequisite(s): PHYS 355 or equivalent. Description: Laboratory experiments illustrating fundamental optical phenomena, the interaction of light and matter, lasers, and quantum optics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 570. Atomic and Molecular Physics 3 Units Prerequisite(s): PHYS 541 and PHYS 555; or consent of instructor. Description: The structure of atoms and diatomic molecules, the production of coherent radiation and its interaction with matter. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 547. Fundamentals of Lasers 3 Units Prerequisite(s): PHYS 355; and PHYS 542 or ECE 473; or consent of instructor. Description: Topics to be discussed include interaction of light with matter, optical amplifiers, laser resonators, Gaussian and higher order optical beams, non-linear optics, and ultra-fast laser pulses. Note: Cross-listed with ECE 540. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 575. Solid State Physics 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 541 and PHYS 555, or consent of instructor. Description: Crystal structure, elastic waves, lattice dynamics, phonons, band theory of solids and conductivity phenomena. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 555. Elementary Quantum Mechanics 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 300; PHYS 350 or MATH 405 or ENGR 205; PHYS 460. Description: General concepts of quantum mechanics. Schrodinger equation and solutions in one, two and three-dimensions, hydrogen atom, and orbital angular momentum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 580. Nuclear Physics 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): PHYS 541 and PHYS 555; or consent of instructor. Description: Phenomenological study of nuclear properties. Nuclear structure and reactions, radioactive decay, interaction of charged particles with matter. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 556. Quantum Theory of Matter 3 Units Prerequisite(s): PHYS 555. Description: Spin and general angular momentum, perturbation theory, variational principle, applications, identical particles, and scattering. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 585. Elementary Particle Physics 3 Units Prerequisite(s): PHYS 541 and PHYS 555, or consent of instructor. Description: Properties of elementary particles. Detectors and accelerators. Weak and electromagnetic interactions. Quark model of hadrons, strong interactions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 561. Mathematical Physics I 3 Units Prerequisite(s): PHYS 350 or MATH 405 or ENGR 205. Description: Selected mathematical techniques and their applications to various fields of physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 589. General Relativity 3 Units Prerequisite(s): PHYS 460; MATH 301 or ENGR 201. Description: Review of classical gravitation and special relativity, Riemannian geometry, Einstein field equations, exact solutions, tests of the theory, gravitational collapse and black holes, gravitational waves, cosmology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 562. Mathematical Physics II 3 Units Prerequisite(s): PHYS 350 or MATH 405 or ENGR 205. Description: Selected mathematical techniques and their applications to various fields of physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 590. Astrophysics 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHYS 307; PHYS 350 or MATH 405 or ENGR 205 (or equivalent). Description: Physics applied to the interstellar medium; the atmospheres, structure, and evolution of stars; galaxies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHYS 565. Computational Physics 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHYS 390; and PHYS 555 or PHYS 561 taken concurrently; familiarity with a programming language. Description: Introduction to modern computational methods in physics with application to problems in different branches of physics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHYS 595. Special Topics 1-3 Units Description: Introduction to an advanced topic or elaboration of an intermediate topic not treated comprehensively in a regular course. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

Physiology (PHZB)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHZB 215. Introduction to Fundamentals of Biomedical Sciences 3 Units

Term Typically Offered: Summer Only

Prerequisite(s): BIOL 102 and CHEM 101 or equivalent.

Description: Introduction to basic concepts of Organic Chemistry, Physics, biochemistry/Cell biology and Physiology and their application to problem-based learning modules related to medicine and dentistry.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Planning (PLAN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PLAN 305. Dogs in Society: An Interdisciplinary Examination of the Human-Canine Connection - SB 3 Units

Term Typically Offered: Spring Only

Description: The course examines the evolution of dogs as human partners in society and delves into the relationship of our species with one another. It explores medical, safety, ethical, regulatory and legal issues, including the American with Disabilities Act and municipal approaches to regulating ownership. It considers behavioral adaptations of both species and some cutting-edge research in canine neuroscience. (Social Science)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PLAN 380. Special Topics in Urban Planning 3 Units

Term Typically Offered: Occasionally Offered

Description: This course will cover special topics in urban planning at the undergraduate 300 level. Content of the course will vary by semester offered and instructor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PLAN 500. Economics for Public Affairs 3 Units

Description: An introduction to basic economic concepts and their application to public affairs and urban planning.

Note: Cross-listed with PADM 500.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PLAN 501. Urban Environmental Quality 3 Units

Prerequisite(s): Consent of instructor.

Description: A study of environmental aspects of urban areas and analysis of inter- and intra-city variations in environmental quality.

Note: Cross-listed with GEOG 561.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PLAN 511. Planning Theory & History 3 Units

Term Typically Offered: Fall Only

Description: This course will introduce the historic foundation of modern urban planning, and investigate the central themes in planning theory, using both historical and contemporary contexts to assist in the understanding of its role in shaping planning thought and practice.

Note: Cross-listed with PLAN 601, PADM 507, PADM 607, UPA 684.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Political Science (POLS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that

they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

POLS 101. AP Credit 3 Units

Description: Placeholder course to record AP credit in Political Science. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 111. Political Discourse - OC 3 Units

Term Typically Offered: Fall, Spring
Description: Course designed to familiarize students with dimensions of political discourse while simultaneously providing students with opportunity to practice arts of political speech. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 201. Introduction to American Government and Politics - SB 3 Units

Term Typically Offered: Fall, Spring, Summer
Description: An introduction to national government, stressing the constitutional system, individual rights, techniques of popular control, organization of the presidency, Congress, and the federal courts. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 202. Introduction to Comparative Politics - D2, SB 3 Units

Term Typically Offered: Fall, Spring
Description: An introduction to foreign governments and major topics in comparative politics, such as democracy, dictatorship, political economy and civil war. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 299. Honors Introduction to Political Science 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): Invitation by departmental Honors Committee.
Description: An examination of the theories, concepts, and units of analysis used in contemporary political science.
Note: Seminar format.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 302. Urban Political Economy 3 Units

Term Typically Offered: Fall, Spring
Description: Examination of the interrelationships between economic and political forces in the community and how these shape urban development. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 304. Comparative Urban Politics 3 Units

Term Typically Offered: Occasionally Offered
Description: Examination of urban politics in comparative perspective. Highlights the rise of a global economy, its consequences for urban governance and the new role of cities in the international arena. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 305. Urban Politics 3 Units

Term Typically Offered: Fall, Spring
Description: Examination of urban government and politics. Topics include machine politics, urban development, race and ethnicity, power and democracy, and metropolitan problems. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 306. State Government 3 Units

Term Typically Offered: Fall, Spring
Description: State and local government, with emphasis upon political, legislative, judicial, and administrative processes. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 310. Policy, Community & Service 3 Units

Term Typically Offered: Spring Odd Years
Description: Students will gain career experience applying principles of civic engagement, disciplinary knowledge & skills in a real world setting, and reflecting on those experiences while fostering mentorships, personal values, and civic responsibility.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 311. American Presidency 3 Units

Term Typically Offered: Fall Only
Description: An examination of the constitutional roots and historical development; concentrates on the current roles, strengths, and problems of the presidency. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 312. Constitutional Law 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): POLS 201.
Description: This class focuses on American constitutional law cases that deal with the powers of the three branches of federal government, as well as the relationship between the federal government and the states. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>POLS 313. Constitutional Law</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): POLS 201.</p> <p>Description: This class focuses on American constitutional law cases that deal with civil rights and liberties, such as the First Amendment, due process, the right to privacy, and equal protection. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 319. Media and Politics</p> <p>Term Typically Offered: Fall, Spring</p> <p>Description: An examination from normative, empirical and legal perspectives, of the influence of the news media on American politics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 314. Judicial Politics</p> <p>Term Typically Offered: Fall, Spring</p> <p>Prerequisite(s): POLS 201.</p> <p>Description: This class focuses on the American legal system, including federal and state courts, judicial selection, criminal and civil litigation, and judicial decision making. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 320. Civil Rights and the Law II</p> <p>Term Typically Offered: Spring Only</p> <p>Description: An examination of the legal and political aspects of Black civil rights from World War II to contemporary times.</p> <p>Note: Cross-listed with PAS 363.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 315. Race, Law and Politics - D1, SB</p> <p>Term Typically Offered: Fall, Summer</p> <p>Description: This course examines the legal consequences of racial inequality in the United States. It explores the origins of the concept of race and documents the nature of contemporary racial inequality. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 321. Public Opinion</p> <p>Term Typically Offered: Summer Only</p> <p>Description: An analysis of the origins, distribution and consequences of public opinion upon the political and policy process of governmental institutions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 316. Gender, Sexuality & Law</p> <p>Prerequisite(s): POLS 201 or instructor consent.</p> <p>Description: This course examines how legal policy both reflects and shapes norms related to gender and sexuality, and analyze the public policy implications of court decisions related to gender and sexuality.</p> <p>Note: Cross-listed with WGST 316.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 322. American Political Parties and Elections</p> <p>Term Typically Offered: Fall, Spring</p> <p>Description: The American party system, emphasizing the two-party system, minor parties, suffrage and voter behavior, party organizations, nominations, and elections. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 317. American Congress</p> <p>Term Typically Offered: Spring Only</p> <p>Description: An analysis of external and internal forces, institutional organization and processes, constitutional provisions, pressure group activities, and other factors which interact to determine the role of the Congress in the making of public policy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 323. Queer Politics</p> <p>Term Typically Offered: Spring Only</p> <p>Description: The course examines the political organization of gays, lesbians and transgendered persons, forms of oppression they experience, forms of political activism they utilize, and their relationship to mainstream political institutions.</p> <p>Note: Cross-listed with WGST 323.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 318. Religion and United States Politics</p> <p>Term Typically Offered: Occasionally Offered</p> <p>Description: Study of the impact of religion on politics in the United States. Includes analysis of religion in political development, constitutional law, elections, and policy lobbying. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 324. Women in American Politics</p> <p>Term Typically Offered: Summer Only</p> <p>Description: A study of women's involvement in American politics as active political party members, as candidates for national, state, and local offices, as elected officials, and as appointees to government positions at all levels.</p> <p>Note: Cross-listed with WGST 355.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>POLS 325. Public Administration Term Typically Offered: Fall, Spring Description: Introduction to basic issues and concepts in public administration, bureaucratic politics, public-sector management, and decision-making strategies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 331. International Organization - WR Term Typically Offered: Fall, Spring Description: Work of the United Nations and non-governmental organizations in peacemaking; peacekeeping, and the promotion of global economic, social and humanitarian progress through the interpretation of international law. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>	<p>3 Units</p>
<p>POLS 326. Public Policy Term Typically Offered: Fall, Spring Prerequisite(s): POLS 201, or POLS 299, or faculty consent. Description: A study of American public policy processes and outcomes, focusing on the national level of government. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>POLS 327. African-American Politics - D1, SB Term Typically Offered: Spring Only Description: The relationship between African Americans, race history and the American political system via political behavior research: political socialization, organization, mobilization, leadership, voting, political parties, coalitions and interest group strategies. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 332. International Law - WR Term Typically Offered: Fall, Spring Description: A study of existing and emerging law which governs nation-states in their relations with each other. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>	<p>3 Units</p>
<p>POLS 328. Information Technology and Politics Term Typically Offered: Fall Only Description: What is the impact of information technology on politics? This course will examine how the Internet in general, social media, digital news and other information technologies fit into an already developed understanding of society and politics. This means that we will explore how new information technologies may challenge or support current theories in political science and communications. This exploration will involve looking at the impact of digital technology on some basic political processes such as news consumption and information gathering, bureaucratic functions, voting, public opinion, and campaigning among other things. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>POLS 329. Sports and Politics Term Typically Offered: Fall, Spring, Summer Description: This course examines a variety of ways the amateur, collegiate, and professional sports collide with politics in the US and internationally. Topics include free speech, athletes as policy influencers and candidates, stadium funding models, federal regulation of professional and collegiate sports organizations, civil rights (including race, gender, age, and ability), and international sports and organizations, including the Olympics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 333. American Foreign Policy Term Typically Offered: Fall, Spring Description: Examines the process of making U.S. foreign policy, including actors and their interests, as well as major contemporary issues such as the use of force and trade policy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 330. International Relations Term Typically Offered: Fall, Spring Description: An introduction to the study of world affairs, with a focus on interstate politics; examines power politics, the role of ideology and globalism. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 334. The Politics of Global Economic Relations Term Typically Offered: Occasionally Offered Description: Introduction to political aspects of international economic institutions and processes, international trade, foreign aid, theories of neo-colonialism and dependency. North-South and East-West problems and prospects. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
		<p>POLS 335. Global Environmental Politics Term Typically Offered: Occasionally Offered Description: Study of environmental and resource issues on the global level, focusing on the various implications of sustainable development. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
		<p>POLS 336. Politics of European Integration and Foreign Policy Term Typically Offered: Occasionally Offered Description: Examination of the European Union's evolution, structures, decision-making, and policies in economic and political integration. Also examines the foreign and defense policies of members of the European Union and U.S./European relations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

<p>POLS 337. Law, Diplomacy and Power Term Typically Offered: Fall, Spring Description: An examination of the development of U.S. diplomacy, focusing on the interplay of moral, legal, and power-driven motives and themes, analyzing diplomatic strategies, objectives, errors and accomplishments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 347. Democratization Term Typically Offered: Occasionally Offered Description: This course examines the differences between democratic and non-democratic states, and discusses in comparative perspective the process by which states move from dictatorship to democracy. The role of economics and culture, and the impact of structures such as presidential and parliamentary forms of government on democratization are treated, as are explanations for occasional breakdown of democratic systems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 338. National and International Security: Issues and Policies Term Typically Offered: Fall, Spring Description: A survey of contemporary security policy issues, including both military and nonmilitary questions, such as deterrence, arms control, ecological destruction, nationalism, resource scarcity, etc. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 349. Comparative Political Culture - WR Term Typically Offered: Occasionally Offered Prerequisite(s): POLS 202 or faculty consent. Description: Comparative approach to the political values, attitudes and belief systems of nations and sub-national units. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 339. Terrorism Term Typically Offered: Fall, Spring Description: An examination of the phenomenon of nationalism and terrorism in international politics. Historical and contemporary examples used to illustrate the theoretical issues. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 350. African Government and Politics Term Typically Offered: Occasionally Offered Description: Cultural settings of Africa south of Sahara, decline of European dominance, national independence movements, self-governing states, and such problems as economic development, race relations, and relations with world power blocs. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 340. Politics and Government of Western Europe Term Typically Offered: Occasionally Offered Description: An examination of the political structures, processes, and policies of the nation-states of Western Europe. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 355. Introduction to Middle East Politics Term Typically Offered: Fall, Spring Description: Survey of Middle Eastern political systems with emphasis on the process of development and modernization and its impact on the region. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 341. Political Violence Term Typically Offered: Fall Odd Years Description: Course will consider various manifestations of sub-national political violence, including terrorism, insurgency, and civil war. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>POLS 356. Political Islam Term Typically Offered: Spring Odd Years Description: Course will consider various political organizations that desire the greater influence of Islam on public life throughout the Muslim World. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>POLS 345. Russia and Eurasia - WR Term Typically Offered: Occasionally Offered Description: Political processes and policies in the former communist states of Euro-Asia. Emphasis on ethnic relations, economics, and institution-building. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>		

- POLS 357. Religion and International Politics** **3 Units**
Term Typically Offered: Fall, Spring
Description: This course exposes students to major trends in religion and contemporary international politics. The past quarter century has seen religion burst onto the political scene, in both violent and peaceful ways. Students will analyze various ways in which religion shapes international politics, and assess theoretical explanations of religion's political importance. As a survey of religion and global politics, the course draws on readings touching on a variety of regions and religions, arranged around five themes: religion and democracy, dictatorship, political violence, sustainable development, and US foreign policy. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 362. Comparative Political Economy** **3 Units**
Term Typically Offered: Fall Only
Description: An examination of the institutional framework of economic performance and cultural dynamics of the United States, Japan, and Western Europe. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 363. Politics of Oil** **3 Units**
Term Typically Offered: Occasionally Offered
Description: Oil in domestic and international politics of selected countries, oil as a catalyst for war, influence of oil companies on politics, political implications of recent shifts in world energy balance. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 364. World Order** **3 Units**
Term Typically Offered: Occasionally Offered
Description: This course will investigate central concepts and theories of international relations from a world-order perspective. It will examine disorder and efforts to create order through interactions and manipulation of power. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 365. People's Republic of China - WR** **3 Units**
Term Typically Offered: Fall, Spring
Description: An analysis of political processes in China, with emphasis on participation and recruitment, socialization, ideology, education, and organization.
Note: Cross-listed with AST 365.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 366. Politics of East Asia** **3 Units**
Term Typically Offered: Fall Only
Description: A survey of East-Asian political systems with an emphasis on development, social and economic policies, political institutions, and cultures.
Note: Cross-listed with AST 366.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 367. Politics and Government of Southeast Asia** **3 Units**
Term Typically Offered: Occasionally Offered
Description: An introduction to the government and politics of Southeast Asia, revealing the historical context within which to locate the current security, political and economic challenges that the countries of the region face. Special focus will be given to the politics of Burma, Indonesia, Malaysia, the Philippines, Thailand and Singapore as well as the impact of an ascendant China.
Note: Cross-listed with AST 367.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 370. Comparative Political Development in Latin America** **3 Units**
Term Typically Offered: Occasionally Offered
Description: The process of nation building in selected countries, with emphasis on evolution of government and party systems, violent revolution, the military, and the political culture. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 371. Latin America in the World** **3 Units**
Term Typically Offered: Spring Only
Description: Survey of Latin America's role in the international system focusing on contemporary theoretical and institutional developments including OPEC, the OAS, the Andean Pact and institutions involved in North-South dialogue. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 381. Early Political Thought** **3 Units**
Description: A general survey of political thought, typology, and systems, from classical antiquity through the Middle Ages to the beginning of modern times.
Note: Cross-listed with HIST 301.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 382. Modern Political Thought** **3 Units**
Term Typically Offered: Spring Only
Description: Main currents in modern political thought, including liberal, Marxist-Leninist, socialist, anarchist, and conservative thought. Topics such as equality, alienation, participation, political obligation, political order, and change.
Note: Cross-listed with HIST 302.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>POLS 383. American Political Thought 3 Units Term Typically Offered: Occasionally Offered Description: General survey of American political thought from colonial times to the present. Examination of topics such as puritanism, federalism, utopianism, social Darwinism, and anarchist, socialist, and populist thought. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 395. Political Leadership - WR 3 Units Term Typically Offered: Spring Odd Years Prerequisite(s): POLS 201, or POLS 202, or POLS 299, and faculty consent. Description: Major concepts and theories of political leadership, including psychological, cultural and social factors; moral, transforming and transactional leadership types. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p>
<p>POLS 384. Democracy and Its Critics - WR 3 Units Term Typically Offered: Spring Only Description: Problems in democratic theory, examination of the moral foundations of democracy; consideration of such issues as liberty and authority, equality, representation, majority rule, and participation. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>POLS 399. Topics in Political Science 3 Units Term Typically Offered: Fall, Spring, Summer Description: Topics will vary depending on instructor and demand. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 386. Political Theory and Utopia - WR 3 Units Term Typically Offered: Occasionally Offered Description: Examination of selected literary utopias from the perspective of political theory. Analysis of socialist, anarchist, democratic and totalitarian elements. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 401. Topics in American Politics - WR 3 Units Term Typically Offered: Occasionally Offered Description: An examination of one or more selected contemporary problems in American government, such as national-state relationships, civil rights, foreign policy, labor relations, and taxation policy. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Note: Topics to be varied from year to year.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 387. American Utopian Communities 3 Units Term Typically Offered: Occasionally Offered Description: Examination of selected "utopian" communities, past and present. Consideration of groups such as the Shakers, Rappites, Oneidans, Owenites and Fourierists as well as current intentional communities. Emphasis on communal values and practices, issues of equality, authority, conflict, participation and freedom. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 402. Topics in Comparative Politics 3 Units Term Typically Offered: Fall, Spring Description: A comparative study of governments of selected countries, stressing one or more subjects such as party systems, policy-making processes, administration, regulation of economics, and others to be determined each time course is offered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 388. Contemporary Political Theory 3 Units Term Typically Offered: Fall, Spring Description: Survey of twentieth century political theory. Topics may include the crisis of reason; capitalism; technology and freedom; political values and globalization; terrorism and modernity; human rights. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 404. Topics in Political Theory 3 Units Term Typically Offered: Spring Odd Years Description: An examination of one or more selected topics in the study of political theory. Note: Topics to be determined each time course is offered.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 390. Contemporary Political Research 3 Units Term Typically Offered: Fall, Spring, Summer Description: This class develops quantitative arguments and analyses in political science through the use of contemporary analytical and presentation techniques. This class emphasizes diverse data sources and statistical arguments. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 405. Topics in Public Policy 3 Units Term Typically Offered: Fall, Spring Description: An examination of one or more selected topics in the study of public policy. Note: Topics to be determined each time course is offered.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>POLS 406. Topics in International Relations 3 Units Term Typically Offered: Fall Only Description: An examination of one or more selected topics in world politics. Note: Topics to be determined each time course is offered.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 491. Independent Study - WR 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. Description: Opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research or practice that is not included in regular courses in the curriculum. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 426. Environmental Policy 3 Units Term Typically Offered: Fall, Spring Description: Political dynamics and choices affecting American and international environmental policy. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 492. Independent Study 1-3 Units Term Typically Offered: Fall Only Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. Description: Independent study in a selected subject area with approval and supervision by a faculty member. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 430. Political Science Internship I 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Consent of instructor. Description: Practical internship in government, nonprofit, or private sector. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 495. Senior Seminar - CUE, WR 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Completed 90 hours, political science majors only. Description: Will examine issues using material drawn from the subfields of political theory, comparative politics, and American politics. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 437. The United States and East Asia - WR 3 Units Description: A survey and analysis of U.S. relations with the states of East Asia with particular attention to political, economic and military affairs during the Cold War and after. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>POLS 499. Senior Honors Thesis - WR 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Senior standing; admission to department Honors Program. Description: An intensive examination of a topical area in political science undertaken with a designated faculty advisor. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>POLS 450. Topics in World Affairs 1 Unit Description: Attend minimum of three lectures sponsored by department, read works by featured speakers and about topics, meet under faculty supervision to discuss readings. Note: Students may enroll up to six times and count up to six credits toward major requirements.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	
<p>POLS 465. Chinese Culture 3 Units Term Typically Offered: Spring Only Description: Introduction to the politics and society of the People's Republic of China. Includes travel to the People's Republic of China. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

- POLS 501. Topics in American Politics** **3 Units**
Description: An advanced examination of one or more selected contemporary problems in American government, such as national-state relationships, civil rights, foreign policy, labor relations, and taxation policy.
Note: Topics to be varied from year to year.
Note: Individual research projects and reports will be required.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 502. Topics in Comparative Politics** **3 Units**
Description: A comparative study of governments of selected countries, stressing one or more subjects such as party systems, policy-making processes, administration, regulation of economics, and others to be determined each time course is offered.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 504. Topics in Political Theory - WR** **3 Units**
Prerequisite(s): Senior standing or faculty consent.
Description: An examination of one or more selected topics in the study of political philosophy. Individual research projects and reports are required.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 505. Topics in Urban and Public Policy** **3 Units**
Description: An interdisciplinary study of metropolitan problems, providing an opportunity to probe into basic long-range trends and human factors.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 506. Topics in International Relations** **3 Units**
Prerequisite(s): Consent of instructor.
Description: An advanced focus on one or more selected topics in world politics. Research projects, reports and simulations will likely be required.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 507. Topics in Digital Politics** **3 Units**
Description: Investigation of the role of information technology in politics and policy-making with a focus on real-world applications. Topics may include political campaigns, interest group advocacy, and e-government.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 510. Louisville Metro Council Internship** **1-3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): Consent of instructor.
Description: Practical internship in government.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 511. Internship II** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Consent of instructor.
Description: Practical internship in government, nonprofit, or private sector.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 512. Frankfort Legislative Internship** **3 Units**
Description: This course offers students the opportunity to experience working in the office of an elected member of Kentucky General Assembly. Interns work an average of 16 hours per week during the legislative session. Intern responsibilities may vary, depending on the intern's experience and interests as well as the needs of the office. The primary objectives of the intern program include: providing students the opportunity to gain first-hand experience working in government and politics, generating insight into the realities of the political process and how it relates to traditional theoretical perspectives of political science, and educating students about the possibilities of public service and politics as a career choice.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 520. Coping with Conflict** **3 Units**
Description: This active-learning course involves students negotiating and then analyzing realistic hypothetical cases related to local, national, and international issues found within the North American countries.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- POLS 530. International Negotiation** **3 Units**
Description: An examination of the politics of interstate bargaining. Various theoretical perspectives are examined as well as several real world examples. Students will participate in role-playing exercises.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 552. Politics through Film **2-3 Units**

Description: An examination of authority patterns, political change, using cinematic portrayals as the primary literature base for investigation. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 563. Women in Developing Countries - WR **3 Units**

Description: Follows the progress of the international women's movement by focusing on the emergence of women leaders and their work in developing countries since the First World Conference on Women, 1975 to the present.

Note: Cross-listed with WGST 558.

Note: Approved for the Arts and Sciences upper-level requirement in Written Communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

POLS 568. Feminist Theory - WR **3 Units**

Description: Survey of the history and scope of the feminist tradition with emphasis upon liberal, radical, Marxist, socialist, psychoanalytic, and postmodern approaches to feminist theory.

Note: Cross-listed with WGST 556.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both WGST 556/POLS 568 and WGST 656/POLS 668.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Portuguese (PORT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PORT 101. Basic Portuguese I **3 Units**

Term Typically Offered: Occasionally Offered

Description: For beginners. Development of the four language skills: understanding, speaking, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 102. Basic Portuguese II **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): PORT 101 or permission of instructor.

Description: For beginners. Development of the four language skills: understanding, speaking, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 131. Accelerated Portuguese I **6 Units**

Term Typically Offered: Fall, Spring

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 132. Accelerated Portuguese II **6 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): PORT 131 or permission of instructor.

Description: Continuation of PORT 131. A treatment of more advanced grammar topics and the continuation of work with the development of language fluency in listening, speaking, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 175. Introduction to Portuguese Language **3-6 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): Participation in a language course taught in Portugal administered by Portugal Studies Program.

Description: Portuguese language at "inicial" level. Course taught in Portugal. Reading, writing, speaking, understanding skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 201. Intermediate Portuguese I **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): PORT 102 or permission of instructor.

Description: Designed to strengthen language skills of speaking, understanding, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 202. Intermediate Portuguese II **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): PORT 201 or permission of instructor.

Description: Designed to strengthen language skills of speaking, understanding, reading and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 275. Elementary Portuguese **3-6 Units**

Prerequisite(s): Participation in a language course taught in Portugal administered by Portugal Studies Program.

Description: Portuguese language at "elementary" level. Course taught in Portugal. Reading, writing, speaking, understanding skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 313. Special Topics in Luso-Brazilian Culture, Literature and Language 3 Units

Prerequisite(s): PORT 202, PORT 132, or permission of instructor.

Description: Critical readings and interpretation of works in Portuguese whose themes and issues have relevance to today's world. Topics may vary.

Note: May be repeated for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PORT 375. Advanced Intermediate Portuguese Language 3-6 Units

Prerequisite(s): Participation in a language course taught in Portugal administered by Portugal Studies Program.

Description: Portuguese language at "intermediate" level. Course taught in Portugal. Reading, writing, speaking, understanding skills.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Psychology (PSYC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PSYC 201. Introduction to Psychology - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Introduction to the methods and major content areas of psychology: sensation, perception, learning, cognition, human development, abnormal and social psychology.

Note: Students are required to participate in one or more standard experiments or to submit abstracts of published studies as part of PSYC 201.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 202. Orientation to the Psychology Major/Careers in Psychology 1 Unit

Term Typically Offered: Occasionally Offered

Description: An orientation to 1) the psychology major and its requirements at UofL and 2) the field of psychology and its career options. Designed to enhance students' opportunities within this field through development of an action plan that guides their experiences while completing their degree at UofL.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 205. Making Sense of Data - QR 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Appropriate placement score or equivalent coursework.

Description: Students will learn about the nature of scientific inquiry, how to tell good science from bad science, how to think critically about using data to support or undermine persuasive messages, how to find and assess the quality of scientific reports to answer their questions, and how science—specifically studying human behavior—is meaningful in their everyday lives. The uses and misuses of descriptive statistics, the graphic representation of data, the role of bias, and the evaluation of behavioral science reports will be major topics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 301. Statistics for Psychology 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201; MATH 111 (or equivalent) or above.

Description: Elementary statistical methods as applied in the social sciences: probability; distribution (theoretical and empirical), statistics and parameters; sampling; tests of hypotheses including ANOVA; regression and correlation; contingency.

Note: Students may not receive credit for both this course and SOC 301, CJ 326 (formerly JA 326), BSTA 201, BSTA 301, MATH 109, BIOL 350.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 302. Research Methods for Psychology 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201; MATH 111 or higher; PSYC 301 with grade of C or above or department permission.

Description: Introduction to scientific methods in psychology: formulation of hypotheses, design of experiments, execution of experiments, analysis of data, communication of results.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 305. Brain and Behavior **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): PSYC 201.

Description: The course will focus on relationships between brain function and human behavior. It will introduce the structures, systems, and methods by which human behavior is reflected in neural activity. It will examine how nerve cells function individually and work together; the structure of the nervous system; how our sense organs provide the nervous system with information about the outside world; how the brain controls movement; and how sleep, eating, sex, stress, and social interaction are represented in the brain. We will also investigate how the nervous system is influenced by bioactive substances including natural hormones (e.g., during a response to stress), pharmacological therapeutics, and recreational drugs.

Note: Students who have previous credit for PSYC 344 cannot earn credit for this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 306. Life Span Developmental Psychology **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): PSYC 201.

Description: A review of human growth and development across the lifespan. This course examines physical, cognitive, and socioemotional development from conception through old age. This course is relevant for students in psychology, neuroscience, communicative disorders, education, nursing, and public health.

Note: Students cannot receive credit for this course and also PSYC 363 or PSYC 365.

Note: Previously taught as PSYC 363.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 307. Cognitive Processes **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201.

Description: Survey of theory and research on cognition, i.e., thinking, concept attainment, memory, language, creativity, problem solving, and decision-making.

Note: Previously taught as PSYC 322.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 308. Abnormal Psychology **3 Units**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201.

Description: An introduction to taxonomy, nature, causes, and treatments of maladjusted behavior.

Note: Previously taught as PSYC 385.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 310. Psychology of Diversity **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): PSYC 201 or consent of instructor.

Description: Exploration of psychological processes as they relate to interactions between diverse individuals and groups. Pertinent psychological processes include perspective taking, belief updating, creativity, identity formation, stereotyping and prejudice. Diversity will be broadly construed to encompass many dimensions along which individuals and groups differ, such as race, gender, sexuality, religiosity, physical ability, mental health, conservatism/progressivism, collectivism/individualism and socioeconomic status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 314. Reasoning and Decision-Making **3 Units**

Term Typically Offered: Spring Only

Prerequisite(s): PSYC 201.

Description: How do people make decisions that impact their lives and the world? This course is an introduction to reasoning and decision science, including psychological, economic, ethical and political perspectives on decision-making. Students will explore decision-making in everyday life, politics, the economy, medicine, sports and the environment, with an emphasis on sustainability issues and social outcomes. This is an active, collaborative learning course with group discussions and problem-solving, as well as brief lectures. This course is relevant to students interested in all social sciences, business management, behavioral economics, health care, sustainability, political science, public health and policy, and law.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 320. Exercise Psychology **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): PSYC 201.

Description: This course provides an introduction to a) psychological principles affecting exercise initiation and maintenance; and b) psychological outcomes of physical activity and exercise related to mental and physical health. It is an interdisciplinary course integrating Psychology and Exercise Science. It is relevant for students interested in medicine, wellness, education, sports and biology as well as psychology.

Note: Previously taught as PSYC 450.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PSYC 321. Conditioning, Learning and Behavior** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PSYC 201.
Description: Psychologists define learning as a relatively permanent change in an organism's behavior due to experience. This course examines the basic processes of human and animal learning, focusing on classical and operant conditioning observational learning, and biological predispositions. This course address applications of the theoretical and empirical literature, including behavior change and analysis.
Note: This course does not directly address issues of school teaching practice.
Note: Students who have previously taken PSYC 321 cannot get credit for this course.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 325. Health Psychology** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): PSYC 201.
Description: Survey of the interconnected nature of biological, psychological and social aspects of health and an evidence-based way of thinking about these relationships. Course topics include historical and recent foundations of health psychology, stress and lifestyle and health, chronic and life-threatening diseases and treatment seeking and approaches. This course is relevant for students in psychology, pre-health professions, exercise science, public health, and other physical and mental health related disciplines.
Note: Cannot earn credit for this course and also PSYC 481 or 581.
Note: Cross-listed with PSYC 581.
Note: Previously taught as PSYC 481.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 331. Sensation and Perception** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PSYC 201.
Description: This course examines how we perceive our environment through visual, auditory, tactile, olfactory, and taste modalities, and how perception sculpts our experience of the world around us. The course emphasizes identifying the structures and discussing the processes underlying perception. Topics covered include psychophysics (the quantitative measurement of perceptual experience), the anatomical structure of the eye, ear, tongue, nose, and skin, structures and functions of the nervous system, abnormalities in perception as results of aging or injury, commonalities and differences across modalities, and our psychological experience of perception. This course is relevant for students in psychology, neuroscience, communicative disorders, anatomy, and otolaryngology.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 342. Drugs and Behavior** 3 Units
Prerequisite(s): PSYC 201 or consent of instructor.
Description: Consideration of the physiological and psychological effects of drugs of social interest and the social impact of their abuse.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 344. Physiological Psychology** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PSYC 201 or BIOL 240 or consent of instructor.
Description: An introduction to the physiological and anatomical bases of behavior.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 355. Neuroscience** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PSYC 201, PSYC 305 or PSYC 344; or permission of instructor.
Description: This course provides a deeper dive into the field of neuroscience as a follow-up course to PSYC 305, with more detailed study of the structure and function of the nervous system, covering topics such as neuroanatomy, neurophysiology, brain development and plasticity, hormonal systems, motor function, biorhythms, homeostatic systems, emotion and psychopathology. This course is relevant to students interested in biology, medicine, engineering, rehabilitation, philosophy and public health, as well as psychology and neuroscience.
Note: Students cannot receive credit for this course and PSYC 443.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 366. Multicultural Psychology - WR** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): Consent of instructor and approved major in either Psychology or Pan-African Studies with at least 90 hours of degree-applicable credit.
Description: The influences of race, gender, class and sexual bias in American society and its impact on individual psychology as well as on economically and socially-marginalized groups.
Note: Approved for the College of Arts and Sciences upper-level requirement in written communication (WR).
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 368. Infant and Child Development** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): PSYC 201 and PSYC 306.
Description: Survey of theories and research about development from infancy through childhood. This course is relevant for students in psychology, neuroscience, communicative disorders, education, and public health.
Note: Students may not receive credit for both this course and also PSYC 365.
Note: Course previously PSYC 365 Child Development.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- PSYC 372. Social Psychology** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PSYC 201 or consent of instructor.
Description: Major topics relevant to people as social beings; social learning and personality development, social influences in perception and cognition, interpersonal communication and influence, small group behavior, and mass behavior.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 375. Personality** **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): PSYC 201 or consent of instructor.
Description: A review of major personality theories in terms of experimental and clinical findings.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 378. Understanding Measurement and Testing in Psychology** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): PSYC 301.
Description: This class teaches students about the way tests and other measurement approaches are developed and evaluated, and provides a basic survey of how tests are used to assess important psychological constructs such as ability, personality, and psychopathology.
Note: Previously taught as PSYC 313.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 382. Cognitive Neuroscience** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): PSYC 201; PSYC 305 or PSYC 344; or instructor permission.
Description: Cognitive neuroscience combines tools and theories from cognitive science, neuropsychology, and computational modeling to understand the neural basis for functions like seeing, hearing, remembering, acting, and speaking. Upon completion of this course, students will be able to understand, evaluate, and communicate newsworthy findings from cognitive neuroscience research. This course is particularly relevant to students who plan to pursue health or science-related careers.
Note: Previously taught as PSYC 422.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 383. Forensic Psychology** **3 Units**
Term Typically Offered: Fall, Spring
Description: Areas of inquiry in which both psychological and legal aspects are important: insanity defenses, criminality, courtroom process, methods of deception, detection.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 388. Principles of Clinical Psychology** **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): PSYC 201; PSYC 308 or PSYC 385; or permission of instructor.
Description: Examines the history, theoretical foundations, and methods of clinical psychology. Emphasis on areas of clinical practice, along with understanding how basic research methods are employed to explore clinical questions and support clinical practice.
Note: Cannot earn credit for this course and also PSYC 482 or PSYC 582.
Note: Previously taught as PSYC 482.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 400. Psychology Research and Public Communication - CUE** **3 Units**
Term Typically Offered: Occasionally Offered
Prerequisite(s): PSYC 201, PSYC 301, PSYC 302 and consent of instructor; completion of or concurrent enrollment in PSYC 491.
Description: This course will focus on issues surrounding the interpretation and dissemination of psychological concepts and findings. Topics will include the critical analysis of "psychological myths" and how to write and speak about psychology for general audiences. Case studies and in-class activities will be used to illustrate the benefits and challenges of accurately portraying psychological research to the public. The content of the seminar projects will come from each student's research experience in PSYC 491.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- PSYC 404. Seminar in Psychology** **1-4 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Consent of instructor.
Description: Topics which are timely or of interest to specialized groups. Credit varies, as listed each semester in the Schedule of Courses.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 407. Community Internships in Psychology - CUE 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): PSYC 201, PSYC 301 and PSYC 302; or consent of instructor; 2.75 overall GPA.

Description: On-site formal training and community-based research and/or service with select non-profit agencies. Sites are chosen based on special topics/social issues and programs in applied developmental psychology.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 408. International Service Learning and Research - CUE 6 Units

Term Typically Offered: Spring, Summer

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302, and PSYC 404 (spring term prior to departure).

Description: Off-campus international travel and field research/service learning project, which serves as a culminating undergraduate experience, while infusing critical thinking skills and fostering a meaningful community engagement experience. This course is intended to expose students to psychological theories and empirical research while working directly with a faculty member's research project. Application and program fee required.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 410. Giving Psychology Away: Critical Thinking and Public Communication - CUE 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302 and consent of instructor.

Description: Discussion of issues surrounding the dissemination of psychological concepts and findings. Participation in public presentation is required.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 412. Modifying Behavior - CUE 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302; PSYC 321; approved Psychology major; 90 hours total, including at least 24 hours in Psychology, or permission of instructor.

Description: This course will require mastery of behavior modification theory and techniques, and their application to the real world problems. Because behavior modification requires the systemic application of learning principles and basic research methodology skills, the course will require students to synthesize and apply information/concepts from previous psychology courses.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 414. Seminar in Psychology - WR 2-4 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Consent of instructor.

Description: Topics which are timely or of interest to specialized groups. Credit varies, as listed each semester in the Schedule of Courses.

Note: Approved for the Arts and Sciences Upper-Level Requirement in written communication-WR.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 415. Family Risk, Resilience and Mindfulness - CUE, WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302; approved Psychology major; 90 earned hours total, including at least 24 hours in Psychology; or permission of instructor.

Description: The three units of the semester are as follows: 1) Risk Factors, 2) Resilience, and 3) Mindfulness, and each major topic will be addressed for parents, children and the family unit. We will discuss the current scientific literature on such risk factors as poverty, divorce and single parenting, homelessness, mental and physical health issues, nutrition, family and neighborhood violence, and trauma (to include trauma-informed care). The current evidence base on the science of resilience (what is it, how it's demonstrated and how to promote it), and the practice and benefits of mindfulness for parents/children will complete the semester.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 417. Child Psychopathology - WR 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** PSYC 201 and PSYC 301 and PSYC 308 or PSYC 385; or permission of instructor.**Description:** Review of common childhood/adolescent psychological disorders, with discussion of theory and developmental issues in child psychopathology and assessment, diagnosis, and treatment. Topics may include attention deficit disorder, autism, mood disorders and family dysfunction. This course is relevant for students in social sciences, neuroscience, communicative disorder, nursing, counseling, social work, premed, and public health.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PSYC 420. History of Psychology: A Socio-Cultural Perspective - CUE, WR 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** PSYC 201, PSYC 301, PSYC 302; approval Psychology major; 90 earned hours total, including at least 24 credit hours in Psychology; or permission of instructor.**Description:** This course is designed as an overview and synthesis of the history of psychology and how this historical background has led to the development of the systems and issues of contemporary psychology. We will explore how the major historical roots and theoretical contributions led to the development of psychology as a scientific discipline. Emphasis will be on how current psychological perspectives have evolved to be more inclusive to women and minorities and the sociocultural context of this evolution.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PSYC 425. Human Expertise and Achievement - CUE 3 Units****Term Typically Offered:** Fall, Spring**Prerequisite(s):** PSYC 201, PSYC 301, PSYC 302; approved Psychology major; 90 earned hours total, including at least 24 hours in Psychology; or permission of instructor.**Description:** This course explores human expertise, achievement, and success as they are discussed in the field of psychology. Social, environmental, cognitive, and behavioral influences will be explored. Topics will include recent theories of expertise, Dweck's theory of growth mindset, Sternberg's Theory of successful intelligence, Mischel's work on self-control, Gladwell's exploration of mentoring environments, recent studies of cultural effects on intelligence (the Flynn effect), and Duckworth's theory of "grit", among several others. The course will aim at a discussion format and is intended for relatively small groups in which discussion can be especially productive. Attendance is required.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PSYC 430. Psychology of Peace & Ethnic Relations - CUE 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** PSYC 201, PSYC 301 (or equivalent), and PSYC 302; 90 credit hours; approved Psychology major or consent of instructor.**Description:** This course is intended to expose students to the theories, research, and psychosocial elements of peacebuilding as they relate to interethnic relations around the world. Empirical readings and discussion will focus on race, ethnicity, identity formation, intergroup contact, spectrum of intergroup relations (e.g., expulsion, genocide, segregation, fusion, assimilation, and pluralism), restorative practices, and peacebuilding in a multicultural world.**Course Attribute(s):** CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**PSYC 432. Vision and Art 3 Units****Term Typically Offered:** Fall, Spring**Prerequisite(s):** PSYC 201 or permission of instructor.**Description:** This course covers how humans see, illustrated in the context of visual art. Topics include light, neural processing, visual abilities and how those influence painters and the perception of paintings.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 433. Music Perception and Cognition - CUE 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PSYC 301, PSYC 302, PSYC 331; approved Psychology major; 90 earned hours total, including 24 hours in Psychology; or permission of instructor.

Description: This course provides an overview of the perceptual, cognitive, emotional, and neural bases of listening to music. Why does music have such strong ties to emotion? What are the parallels between music and language? What are the neuroscientific underpinnings of music perception and cognition? What does musical training do to your brain, and what other talents or skills do you acquire through musical training? This course is designed for majors in the Department of Psychological and Brain Sciences, and does not require any coursework or other background in music.

Note: Students may not receive credit for both PSYC 433 and MUTH 301.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 435. Seminar in Infancy - WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PSYC 301 and PSYC 302 and PSYC 306 (previously 363) or PSYC 368 (previously 365); or permission of instructor.

Description: This course will cover concepts, empirical research, and issues related to infants' cognitive, perceptual, social, emotional, linguistic and/or physical development.

Note: Specific topics may vary.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 440. Aging: Science and Stories - CUE, WR 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302; approved Psychology major; 90 earned hours total, including at least 24 hours in Psychology; or permission of instructor.

Description: The purpose of this course is to help students understand aging through scientific research and the lived experiences of individuals, and to better understand how these perspectives might differ from one another. Students will become familiar with current aging issues (e.g., cognitive aging, social and emotional aging, mental health, and Alzheimer's disease), research methods, theories and perspectives on aging and its diversity. Students will learn how to conduct life reviews with older people and integrate these stories with scientific perspective on aging. The course requires student reflection and critical thinking about (1) how scientific evidence fits with and differs from the subjective experiences of older people and (2) how this relates to their personal aging and life story.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 444. Exploration of Self: Theory and Research - CUE, WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302, and PSYC 375; approved Psychology major; 90 earned hours total, including at least 24 hours in Psychology; or permission of instructor.

Description: We are all subject to distortions in our understanding of ourselves due to cognitive biases and conscious and unconscious processes. This class will draw knowledge gained in prior psychology courses to study theories of self focusing on how we collect information about conscious and unconscious selves, hands-on generation of personality data, and the use of these self-generated data to compare competing theories of self. The course will require understanding and using the empirical tools of psychological science and the ability to defend and critique multiple points of view. This course represents a culminating undergraduate experience.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 445. Special Topics in Neuroscience - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): PSYC 201; PSYC 305 or PSYC 344; and PSYC 355 or PSYC 443; or permission of instructor.

Description: A seminar course providing in-depth treatment of an area of current interest in the discipline of neuroscience. Students will read, discuss and write reflections on original published works in the field.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Previously taught as PSYC 443.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 451. Introduction to Computer Programming for Psychology 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PSYC 301.

Description: Introduction to the use of the MATLAB programming language in psychology. No prior knowledge of programming languages is assumed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 466. Psychology of Women 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): PSYC 201.

Description: Analysis of scientific research and theory related to the psychology of women. Multiple theoretical perspectives will be considered (e.g., psychodynamic, social learning, cognitive, evolutionary, developmental, etc.) and specific topics evaluated will include: identity development, achievement, motherhood, work, family, aging, and menopause, etc. Ethnicity, culture, and social class will be considered in the context of specific topics.

Note: Cross-listed with WGST 411.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 471. Special Topics in Psychology 3 Units

Prerequisite(s): PSYC 201 and permission of instructor.

Description: Survey and analysis of current theory, research and application in a specialized topic of current interest.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 485. Stress and Trauma - CUE, WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302, and PSYC 305 (previously PSYC 344) or PSYC 308 (previously 385); approved Psychology major; 90 earned hours total, including at least 24 hours in Psychology; or permission of instructor.

Description: Introduction to traumatic stress research. Topics will include psychological theories of stress and trauma, the biology of stress and trauma, and risk factors for developing psychological problems subsequent to experiencing trauma.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 490. Independent Study 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201 and consent of instructor.

Description: Independent study in a selected subject area with approval and supervision by a faculty member.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 491. Undergraduate Psychology Research 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201 and consent of instructor.

Description: Designing of experiments, collection of data, and statistical treatment.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 492. Undergraduate Psychology Research - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PSYC 201, PSYC 301, PSYC 302; approved Psychology major; 85 earned hours total, including at least 24 hours in Psychology; or permission of instructor.

Description: An independent study class involving research on a focused topic in Psychology. Students register for individual sections of PSYC 492 after contacting a faculty mentor and arriving at an agreed-upon course of work for the semester. Each psychology research experience is unique to the particular student and faculty research lab in which it occurs.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 495. Honors Psychology Research 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): Acceptance into Psychology Honors Program.
Description: Designing of experiments, collection of data, statistical analysis, and report writing in support of the honors thesis. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 496. Honors Psychology Thesis - CUE, WR 3 Units

Term Typically Offered: Fall, Spring
Prerequisite(s): PSYC 491 or PSYC 495; admission to Psychology Honors, permission of instructor.

Description:
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 516. Introductory Mathematical Psychology 3 Units

Prerequisite(s): PSYC 201.
Description: Survey of basic applications of probability and mathematics to models and theories in learning, perception, and social psychology.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 524. Psycholinguistics 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): PSYC 307 or ENGL 325 or LING 325 or LING 518.
Description: Psychological aspects of language and their significance for analysis and understanding of cognitive and social processes.
Note: Cross-listed with LING 524.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 544. Animal Behavior and Behavioral Ecology 3 Units

Prerequisite(s): PSYC 201 or consent of instructor.
Description: Survey of sensory and behavioral characteristics of animal species, with stress upon ecological variables.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 566. Race and Gender in Psychological Research 3 Units

Description: Critical review of psychology with respect to issues of race and gender. Examines theory and research paradigms, modern, postmodern and Afrocentric methodologies.

Note: Cross-listed with PAS 566.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 571. Special Topics in Psychology 3-4 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): Consent of instructor.
Description: Survey and analysis of current theory, research and application in a specialized topic of current interest.

Note: Undergraduate, Psychology Honors, or graduate credit available with consent of instructor.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 581. Introduction to Health Psychology 3 Units

Prerequisite(s): PSYC 201 or consent of instructor.
Description: Survey of theory and research on psychological factors which contribute to health and well-being, and to the occurrence, severity, and remediation of illness and disease.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PSYC 582. Introduction to Clinical Psychology 3 Units

Prerequisite(s): Junior, Senior, or master's-level student with 9 or more credit hours in Psychology beyond PSYC 201.

Description: Examines the history, theoretical foundations, and methods of clinical psychology. Emphasis on areas of clinical practice, along with understanding how basic research methods are employed to explore clinical questions and support clinical practice.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Administration (PADM)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PADM 500. Economics for Public Affairs 3 Units

Description: An introduction to basic economic concepts and their application to public affairs and urban planning.

Note: Cross-listed with PLAN 500.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PADM 507. Planning Theory & History**3 Units****Term Typically Offered:** Fall Only**Description:** This course will introduce the historic foundation of modern urban planning, and investigate the central themes in planning theory, using both historical and contemporary contexts to assist in the understanding of its role in shaping planning thought and practice.**Note:** Cross-listed with PLAN 511, PLAN 601, PADM 607, UPA 684.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health, Epidemiology (PHEP)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHEP 310. Environmental Epidemiology**1 Unit****Term Typically Offered:** Spring Only**Corequisite(s):** PHEP 441.**Description:** This course explores epidemiologic concepts and methods related to environmental health. It is intended as a companion course to be taken concurrently with PHEP 441. Concepts introduced in the PHEP 441 course will be expanded upon using examples relevant to environmental health. In addition, topics unique to environmental epidemiology will be covered.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHEP 441. Epidemiological Concepts and Methods for Public Health**3 Units****Term Typically Offered:** Spring Only**Prerequisite(s):** PHST 301 or MATH 109.**Description:** The course explores fundamental epidemiologic concept methods for public health practice and the study of health and disease in and between populations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHEP 501. Introduction to Epidemiology**3 Units****Term Typically Offered:** Fall Only**Prerequisite(s):** Enrollment in the School of Public Health and Information Sciences.**Description:** Basic epidemiological methods are presented: terminology; study design; issues of contemporary practice; basic skills for interacting with epidemiologists, reading disease control literature, and drawing on epidemiological concepts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health, Biostatistics (PHST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHST 301. Quantitative Methods in Public Health**3 Units****Term Typically Offered:** Fall, Spring**Prerequisite(s):** MATH 111 or Global Health minor.**Description:** The course is an introduction to the concepts and theory behind quantitative analysis methods used in public health. The content focuses on how and why different statistical methods are used with minimal emphasis on statistical calculations. The skills of critical thinking, communication, and teamwork are promoted and cultivated throughout this course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>PHST 302. Intermediate Statistical Analysis 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHST 301, or equivalent introductory statistics course including MATH 109, SOC 301, PSYC 301, PAS 408 etc. Description: This course is an intermediate level applied statistics course covering key aspects of data exploration, visualization, and traditional topics in statistical inference, this course will utilize the statistical package SPSS, with a focus on understanding how to use and interpret SPSS output. This course is intended to give students familiarity with statistical tools used to analyze data in a variety of disciplines - including economics, marketing, management, education, sociology, psychology, neuroscience, biology, mathematics, physics, environmental science, engineering, computer science, finance, health services administration, and public health - to be better prepared to pose relevant statistical questions, apply appropriate statistical techniques, and effectively interpret and communicate results. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHST 421. Statistical Computing in R 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHST 302. Description: This course introduces students to the software R for statistical analysis. The R language provides a rich environment for statistical modeling and computing. The course emphasis is on practical issues in statistical computing which includes the basic syntax of R, programming in R, inputting and outputting (I/O) data in R, writing R functions, debugging, profiling R code, generating R packages, and running basic statistical analysis with R. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHST 310. Applied Statistical Regression Models 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHST 302. Description: This is the first course of statistical regression models in public health practice. The covered topics are: normal distribution, t-distribution, hypothesis testing, inference for two or more population means, one-way and two-way analysis of variance (ANOVA), linear regression with one or more independent variables, inferential and diagnostic methods in regression and correlation, multiple regression analysis; model building in regression; factorial experiments, and design of experiments. When relevant, examples related to population health issues are utilized. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHST 431. The Principles of Statistical Learning 3 Units Term Typically Offered: Spring Only Prerequisite(s): PHST 301, or equivalent (MATH 109, SOC 301, PSYC 301, and PAS 408). Description: This introductory course gives an overview of many concepts, techniques, and algorithms in Statistical learning, including the topics related to regression, classification, dimension reduction. The course will give the student the basic ideas and intuition behind modern statistical learning methods as well as a bit more formal understanding of how, why, and when they work. The underlying theme in the course is statistical inference as it provides the foundation for most of the methods covered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHST 315. Sports Statistics 3 Units Term Typically Offered: Summer Only Prerequisite(s): PHST 301 or equivalent (MATH 109, SOC 301, PSYC 301, and PAS 408) and MATH 111. Description: Sabermetrics and "moneyball" have highlighted the use of statistics and mathematics in making sports decisions. In this course, we will consider how to use statistical tools to approach a variety of questions in traditional sports including baseball, football, and basketball. We will use methods from statistics such as probability, correlation, regression, and expected values to make predictions and compare game strategies. We will discuss the mathematics of several common approaches for evaluating players and teams. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHST 440. Statistical Study Design and Research Methods 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHST 302. Description: This course introduces multiple designs of studies that are commonly used in various disciplines, such as the clinical trials in pharmaceutical studies, the case-control study and cohort study in observational research methods. The research methods associated with those designs will also be discussed. In addition, this course will review some of the fundamental concepts and basic methods in survival analysis. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHST 500. Introduction to Biostatistics for Health Sciences I 3 Units Term Typically Offered: Fall Only Prerequisite(s): Enrolled as a student in the PH MPH, MSc or Certificate in Clinical Investigation Sciences program. Description: An introduction to descriptive and inferential statistical methods, including descriptive and graphical methods, estimation, calculation of confidence intervals, and 1- and 2-sample hypothesis testing, one-way analysis of variance (ANOVA), and simple linear regression. The R statistical software environment will be used to introduce data management and descriptive and inferential statistical methods. Note: Students interested in this course that do not meet the stated prerequisites should contact the department of Bioinformatics and Biostatistics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

PHST 501. Introduction to Biostatistics for Health Sciences II 3 Units**Prerequisite(s):** PHST 500.

Description: This course is a continued graduate level introduction to inferential statistical methods, covering multi-way analysis of variance, multiple regression, the chi-square analysis of frequencies and logistic regression, survival analysis, and nonparametric statistical methods. A statistical software package will be used to execute the descriptive, graphical, and inferential statistical techniques on real data sets. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHST 520. Statistical Computing and Data Management with SAS 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** PHST 301, or equivalent (MATH 109, SOC 301, PSYC 301, PAS 408).

Description: This course will introduce students to the fundamental of data management and analysis using SAS. It will give an overview of the SAS system under MS Windows and provide a fundamental grounding in the data step and Base SAS procedure. We will cover elementary statistical analyses such as measures of location and spread, correlation, detection of outliers, graphical displays, comparison of groups, as well as additional specialized studies.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHST 561. Mathematical Tools I 1 Unit**Term Typically Offered:** Summer Only**Prerequisite(s):** Conditional or full admission to the MS in Biostatistics degree program.

Description: This course covers mathematical tools required for sound comprehension of mathematical probability and statistics concepts included in methodological portions of coursework in the MS in Biostatistics degree. Course topics include: (1) functions and graphs with particular focus on polynomials and roots, rational functions, and exponential and logarithmic functions, and (2) limits and continuity of functions.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHST 562. Mathematical Tools II 1 Unit**Term Typically Offered:** Summer Only**Prerequisite(s):** Conditional or full admission to the MS in Biostatistics degree program.

Description: This course covers mathematical tools required for sound comprehension of mathematical probability and statistics concepts included in methodological portions of coursework in the MS in Biostatistics degree. Course topics include: (1) first and higher order differentiation of single variable functions and techniques for differentiation, (2) applications of differentiation including identification of minima, maxima, and inflection points, (3) antiderivatives, the definite integral, and the Fundamental Theorem of Calculus, (4) techniques of integration including substitution, integration by parts, etc.; using integrals to compute areas, and (5) sequences and series, convergence of each, partial and infinite sums, geometric series, Taylor series.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHST 563. Mathematical Tools III 1 Unit**Term Typically Offered:** Summer Only**Prerequisite(s):** Conditional or full admission to the MS in Biostatistics degree program in the School of Public Health and Information Sciences.

Description: This course covers mathematical tools required for sound comprehension of mathematical probability and statistics concepts included in methodological portions of coursework in the MS in Biostatistics degree. Course topics include: (1) multivariable functions, limits, and continuity, (2) partial differentiation and its applications, and (3) multiple integration and its applications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHST 564. Mathematical Tools IV 1 Unit**Term Typically Offered:** Summer Only**Prerequisite(s):** Admission to the MS in Biostatistics degree program in the School of Public Health and Information Sciences and MATH 205 (or equivalent).

Description: This course covers mathematical tools required for sound comprehension of mathematical probability and statistics concepts included in methodological portions of coursework in the MS Biostatistics degree. Course topics include (1) vector/matrix algebra and operations, (2) solving systems of linear equations, (3) vector spaces, linear independence, rank, and basis, (4) eigenvalues and eigenvectors, (5) orthogonal vectors and projections, (6) quadratic forms.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health - Health Promotion & Behavioral Science (PHPB)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHPB 300. Social and Behavioral Foundations of Public Health 3 Units**Term Typically Offered:** Spring Only**Prerequisite(s):** Must be a Public Health major or a Public Health minor.

Description: The course explores how people, policy, environment, and their intersections affect public health and approaches for increasing the beneficial effects and decreasing the detrimental effects.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPB 301. Health Equity - D1, SB 3 Units

Term Typically Offered: Fall Only

Description: Health equity is a goal of public health as seen in Healthy People 2020. Race or ethnicity, gender, sexual identity, age, disability, socio-economic status, and geographic location (or some combinations of these factors) contribute to an individual's ability to achieve good health. Understanding health disparities involves a critical analysis of circumstances that produce differences in health outcomes among groups.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPB 305. Public Health Education Principles and Strategies 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be a Public Health major.

Description: Upon completing this course, students will have introductory knowledge and skills that characterize the work of public health educators. The course provides an overview of a wide range of practice issues encountered in the routine work of health educators.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPB 501. Introduction to Public Health Behavior 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Enrollment in the School of Public Health and Information Sciences.

Description: This course reviews theoretical constructs of the causation of health-related behavior, including preventive, early diagnosis, treatment and rehabilitative behavior.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health - Undergraduate (PHUN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHUN 101. Introduction to Public Health - SB 3 Units

Term Typically Offered: Fall, Spring

Description: The central course question addressed is "What is the history and enterprise of public health?" In learning the answer, the course explores population health, health equity, and of course the public health enterprise. Critical thinking is an integral part of the exploration and is discussed and applied using a variety of instructional methods. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHUN 102. Introduction to Public Health (Honors) - SB 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Enrolled in the Honors Program.

Description: The central course question addressed is "What is the history and enterprise of public health?" In learning the answer, the course explores population health, health equity, and of course the public health enterprise. Critical thinking is an integral part of the exploration and is discussed and applied using a variety of instructional methods.

Note: Taught at Honors level.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHUN 550. Special Topics in Public Health Sciences 1-6 Units

Prerequisite(s): Permission of instructor.

Description: In-depth exploration of public health sciences topics to advance students' knowledge in aspects of field not covered at same depth in existing courses. Taught simultaneously at graduate and undergraduate levels.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health, Environmental Health (PHEH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

<p>PHEH 301. Public Health and Our Environment 3 Units Term Typically Offered: Fall Only Prerequisite(s): BIOL 102 (or higher) or CHEM 101 (or higher). Description: This course delineates the impact of the environment on human health through consideration of physical, chemical, and biological factors. Topics include physical, chemical, and biological agents of environmental contamination; vectors for dissemination (air, water, soil); solid and hazardous waste; susceptible populations; governmental organizations that address risks, the scientific basis for policy decisions; and emerging global environmental health problems. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHEH 325. Public Health Nutrition 3 Units Term Typically Offered: Fall Only Description: This course will provide an introduction to the identification and prevention of nutrition related disease at the community and population level. Tools and measures for assessing nutritional status in the individual and group will be introduced. The history of the Dietary Guidelines for Americans will be introduced and the relevance to the Supplemental Nutrition Assistance Program (formerly known as FoodStamps) and other nutritional assistance programs will be investigated. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHEH 305. Environmental Toxicology 3 Units Term Typically Offered: Fall Only Prerequisite(s): PHEH 301 or CHEM 101 (or equivalent chemistry course). Description: This course will cover basic foundations of toxicology with emphasis on how environmental toxicants affect human health. Topics include principles of toxicology, survey of toxicants and their effects, organ-specific toxicity, regulatory toxicology, and development of critical thinking skills to assess health risks. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHEH 330. Childhood Nutrition from a Public Health Perspective 3 Units Term Typically Offered: Fall Only Prerequisite(s): One semester of BIOL 102. Description: This course explores the USDA childhood nutrition support programs including the national school breakfast and lunch programs, the Women, Infants and Children (WIC) program, and community nutrition education programs that target children. The role of food advertising on childhood food preferences as well as dietary patterns for children of various ages within the US Dietary Recommendations will be introduced. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHEH 315. Environmental Health and Public Health Practices 2 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHEH 301. Description: This course will cover the practice of public health as related to areas typically falling under the umbrella of environmental health, including assessment of environmental hazards in air and water, food safety, swimming pool safety, vector control, and emergency preparations. Details of environmental health practice will be presented in the context of regulatory framework and scientific basis of environmental hazards. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHEH 331. Food Composition and Public Health - S 3 Units Term Typically Offered: Fall, Spring Description: The biological basis of nutrition including nutrient composition of food, function of the digestive system, and the contributions of nutrition sciences to the practice health will be covered with an emphasis on the nutritional foundations of a healthy society. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>PHEH 320. Environmental Policy and Risk Assessment in Public Health 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): PHEH 301. Description: This course provides an overview of the development and implementation of environmental health policy at local, national, and global scales and the role of risk analysis. Case-examples will provide in-depth assessments of environmental health policy and specific risk analysis topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>PHEH 332. Nutrition Assessment Tools 3 Units Term Typically Offered: Spring Only Prerequisite(s): One semester of BIOL 102. Description: This course introduces the practices of nutritional assessment in target populations and communities including national health surveys and relevant epidemiological study designs. Students will become familiar with tools for assessment of nutritional status in at-risk populations and in support of national surveillance programs and the interpretation of findings with relevance to policy objectives. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
	<p>PHEH 440. Biology for Population Health 3 Units Term Typically Offered: Spring Only Prerequisite(s): BIOL 102 (or equivalent). Description: The course explores the biology, anatomy, biochemistry, physiology, and pathophysiology of selected acute and chronic diseases from a public health perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

PHEH 500. Introduction to Environmental and Occupational Health Sciences 3 Units

Prerequisite(s): Enrollment in School of Public Health and Information Sciences.

Description: This course provides students with the basic concepts and principles of environmental health and occupational health including environmental agents in water, air and soil, such as chemicals, biological and physical agents, and other important factors that may constitute a risk to humans. It also provides an overview of the basic principles and methods of risk assessment and risk management. This course is designed for all public health practitioners and meets the core environmental health requirement for the MPH degree program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHEH 525. Biological Basis for Parasitic and Infectious Diseases 1 Unit

Prerequisite(s): PHEH 500 (or concurrently).

Description: This course will provide an overview of key biological concepts related to the pathogenic responses of humans to infectious and parasitic agents. The central questions addressed by the course include: What strategies are used by different types of pathogens to interact with host cells and what physical/cellular barriers impact host infectious/parasite interactions; and how do host cells/organisms respond to different types of pathogens through innate and adaptive immune responses to infectious/parasitic diseases.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHEH 526. Nutrition and Maternal and Child Health 3 Units

Term Typically Offered: Spring Only

Description: This course covers the scientific foundations of human nutrition and digestion, methodologies for nutritional assessment in at-risk populations, and the impact of food scarcity/nutritional inadequacy on maternal/child.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health, Management Systems Sciences (PHMS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHMS 301. Introduction to the U.S. Healthcare Delivery Systems 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be a Public Health major.

Description: This course explores the many different aspects of health care delivery in the United States within a system of systems, the bases and processes of health care financing, and professional considerations for serving, managing, and leading in different types of health service organizations. Emphasis is placed on the role of health professionals working in different types of health service organizations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHMS 430. Elements of Data Mining 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): PHST 302.

Description: This course will train students with the necessary skills for data mining/big data analytics that will be used in employment after graduation. It covers the collection of techniques used in practice to analyze huge datasets. The course focuses on building essential abilities: (1) formulating an analytic approach to the problem, (2) application of the techniques, (3) interpretation of results, and (4) presentation of results: oral and written communication.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHMS 501. Introduction to Public Health Practice and Administration 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Enrolled in the School of Public Health and Information Sciences.

Description: This course emphasizes the practical application of the principles of health care organizations to public health at the national, state and local levels.

Note: Taught only at the graduate level.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHMS 530. Comparative Health Systems 3 Units

Term Typically Offered: Spring Only

Description: This course examines health delivery and public health systems from a global perspective. The course focuses on teaching students to describe elements of these systems, the environment in which the systems exist, and the internal and external forces through which systems change. Although the structure of different health systems vary, most also have substantial similarities especially in the areas of improving access and quality, while minimizing costs. The course focuses on health systems, using examples of health systems in different countries to demonstrate system similarities and differences. The course will provide a framework for analyzing different models of organizing health care and public health in settings around the world. The course will engage students in examining health systems outside the United States, focusing specifically on how a country's history, geography, government, and economy influence the delivery of health services. Students will apply these skills in a semester-long group project involving the analysis of a selected country's health system, its performance factors affecting performance and structure, and opportunities for reform.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Public Health, Public Health (PHPH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

PHPH 100. Majoring in Public Health 1 Unit

Term Typically Offered: Fall Only

Description: An introduction into the BS/BA Program in Public Health, this course includes topics of general education requirements, curriculum advising, and orientation and career options related to the program.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 301. Global Public Health - D2, SBH 3 Units

Term Typically Offered: Spring Only

Description: The course will provide an overview of the factors that produce global health challenges, including demographic changes, conflict, human rights abuses, migration, travel, food production and distribution, water resources, and market forces and economic factors. Students will become familiar with the role of government and non-governmental organizations in identifying, understanding, and addressing global health issues.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 401. Public Health and Health Policy 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Must be a Public Health major.

Description: This course will introduce students to the basic terms, concepts and best practices in applying policy solutions to a range of public health problems. In addition to the principles, there will be a wide-ranging review of specific public health policy examples, and how advocates negotiate and navigate through the contrasting community positions on policy applications.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 410. Public Health Law and Ethics 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Must be a Public Health major.

Description: The purpose of this course is to introduce students to the critical issues relating to law, ethics and public health. The course examines the legal foundations of the American public health system and resulting ethical dilemmas of the private interests versus public good.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 420. Practice of Public Health 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): Must be a Public Health major.

Description: The course is an introduction to public health practice and is organized around the core functions and essential services of public health.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 431. Contemporary Issues in Public Health I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be a Public Health major and have a minimum of 60 credit hours or be a Public Health minor.

Description: One of two courses in a series taken over two semesters, in which student teams explore and present current public health issues in the context of Healthy People 2020 and the essential services of public health.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 432. Contemporary Issues in Public Health II 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be a Public Health major and have a minimum of 90 credit hours.

Description: One of two courses in a series taken over two semesters, in which student teams explore and present current public health issues in the context of Healthy People 2020 and the essential services of public health.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 491. Senior Capstone 1 - CUE 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Must be a Public Health major and have a minimum of 90 credit hours.

Description: Taken over the course of two semesters, in conjunction with PHPH 492. One semester consists of research thesis on public health; the other of a public health project by student group collaborating with Belknap campus or West End, plus journal and presentation.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 492. Senior Capstone 2 - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): PHPH 491.

Description: Taken over the course of two semesters, in conjunction with PHPH 491. One semester consists of research thesis on public health; the other of a public health project by student group collaborating with Belknap campus or West End, plus journal and presentation.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 523. Public Health in the United States 2 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall Only

Prerequisite(s): Admission to a graduate program in the School of Public Health and Information Sciences, other than the MPH.

Description: This course is designed to introduce new students in academic public health programs (MS and PhD) to the field of Public Health in the United States. It provides a broad overview of the field of public health, a focused look at the core areas of epidemiology and biostatistics, health promotion, environmental health, and health care administration.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

PHPH 550. Special Topics in Public Health Sciences 1-3 Units

Prerequisite(s): Enrollment in the School of Public Health and Information Sciences.

Description: In-depth exploration of public health sciences topics to advance students' knowledge in aspects of field not covered at same depth in existing courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Russian (RUSS)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

RUSS 121. Basic Russian I 4 Units

Term Typically Offered: Fall, Spring

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 122. Basic Russian II 4 Units

Term Typically Offered: Fall, Spring

Description: For beginners. Basic grammar, with practice in hearing, speaking, reading, and writing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 123. Intermediate Russian 4 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 122 or equivalent.

Description: Review of grammar. Practice of the language through oral and written exercises. Reading from representative literature or from cultural selections.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 200. Study Abroad 1-15 Units

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 300. Study Abroad 1-15 Units

Description: Participation in a University of Louisville study abroad program or another program undertaken with prior approval of the Department. Credit is awarded with proof of successful completion. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 313. Readings in Russian Literature, Themes and Great Issues 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 221 or RUSS 123 or equivalent.

Description: Critical reading and interpretation of works in Russian literature. Topics may vary. Conducted primarily in Russian.

Note: May be repeated once for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 321. Russian Reading, Conversation, and Composition I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): RUSS 221 or RUSS 123 or equivalent.

Description: Practice in reading Russian and development of conversation skills. Also vocabulary building, grammar, culture, writing. Conducted primarily in Russian.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 322. Russian Reading, Conversation, and Composition II 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): RUSS 221 or RUSS 123 or equivalent.

Description: Practice in reading Russian and development of conversation skills. Also vocabulary building, grammar, culture, writing. Conducted primarily in Russian.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 371. Special Topics in Russian 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 221 or RUSS 123 or equivalent.

Description: Opportunity for the advanced student to work on a project in some area of Russian studies not comprehensively covered in a regular course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 372. Special Topics in Russian 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 221 or RUSS 123 or equivalent.

Description: Opportunity for the advanced student to work on a project in some area of Russian studies not comprehensively covered in a regular course.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 411. Studies in Russian Language, Literature, and Culture I 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): RUSS 322 or faculty consent.

Description: Selected topics in Russian language, literature, and culture, chosen to meet needs of students. Topics may vary.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 412. Studies in Russian Language, Literature, and Culture II 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 322 or faculty consent.

Description: Selected topics in Russian language, literature, and culture, chosen to meet needs of students. Topics may vary.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 421. Advanced Russian Reading, Conversation and Composition I 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): RUSS 322 or faculty consent.

Description: Advanced practice in reading and conversation. Also vocabulary building, grammar, culture and writing. Conducted primarily in Russian.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

RUSS 422. Advanced Russian Reading, Conversation and Composition II 3 Units

Prerequisite(s): RUSS 322 or faculty consent.

Description: Advanced practice in reading and conversation. Also vocabulary building, grammar, culture and writing. Conducted primarily in Russian.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Social Change (SCHG)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SCHG 300. Topics in Social Change: Humanities 3 Units

Term Typically Offered: Fall, Spring

Description: Focuses on a specific topic related to social change from an interdisciplinary, humanities perspective. Topics are announced in the schedule of classes.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 301. Topics in Social Change: Humanities - WR 3 Units

Description: Focuses on a specific topic related to social change from an interdisciplinary, humanities perspective. Topics are announced in the schedule of classes.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 302. Topics in Social Change: Social Sciences 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Focuses on a specific topic related to social change from an interdisciplinary, social sciences perspective. Topics are announced in the schedule of courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 303. Topics in Social Change: Social Sciences - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Focuses on a specific topic related to social change from an interdisciplinary, social sciences perspective. Topics are to be announced in the schedule of courses.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 305. Hip-Hop and Social Movements - WR 3 Units

Term Typically Offered: Fall Only

Description: Study of the rise of hip-hop as a social movement, including the origins, spread, and globalization of hip-hop culture, and its use in movements for social change worldwide.

Note: Approved for the Arts & Sciences upper-level written communication requirement (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 323. Modern American Social Movements 3 Units

Term Typically Offered: Occasionally Offered

Description: Introduces students to the history of modern American social movements. Topics will include organizing strategies, tactics, and results.

Note: Cross-listed with HIST 323.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 333. Globalizing Inequalities - WR 3 Units

Prerequisite(s): ANTH 201 or SOC 201 or SOC 202; or consent of instructor.

Description: One popular story about globalization holds that human beings have been like boats all rising together on a globalizing tide. The course uses data and perspectives from across the social sciences to develop a more realistic story—one that understands that people are not boats and the tides can alternately lift them up or beat them down, refresh them or drown them depending on the circumstances. Questions about those circumstances structure the course. Another question addressed by the course: how can knowing more about globalization and in/equality help us develop the human career in different possible directions? The readings and other materials vary greatly by period, by spatical focus, and by analytical perspective. This is a WR course because the topic demands that students learn to pose their own questions about it and to answer those questions in cogent prose.

Note: Cross-listed ANTH 333.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 375. Social and Restorative Justice 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: This course links social justice and criminology while considering the causes of harm. Assumptions about crime and justice will be examined by comparing and contrasting retributive and restorative justice paradigms. A considerable portion of the course will be dedicated to confronting specific social justice issues.

Note: Cross-listed with CJ 375.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 399. Lectures in Social Change 1 Unit

Term Typically Offered: Spring Only

Description: A series of public lectures in Social Change with reading, short writing assignment and discussion for each lecture.

Note: May be repeated when topics vary, up to a maximum of 3 hours.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 401. Social Change Community Internship 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Restricted to Social Change minors with at least 9 hours of Social Change (SCHG) coursework.

Description: Working with a Social Change faculty member, student will design a project based on 10 hours/week volunteer work in a community organization working for social change.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 453. Social Change 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SOC 201 and SOC 320.

Description: Examines social change from a sociological perspective; explores theories, spheres, patterns, consequences of change; involves students in field study of actual case of change in local community or region.

Note: Cross-listed with SOC 453.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 500. Advanced Topics in Social Change: Humanities 3 Units

Term Typically Offered: Occasionally Offered

Description: Provides advanced study of a specific topic related to social change from an interdisciplinary, humanities perspective.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 501. Advanced Topics in Social Change: Humanities - WR 3 Units

Description: Provides advanced study of a specific topic related to social change from an interdisciplinary, humanities perspective.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 502. Advanced Topics in Social Change: Social Sciences 3 Units

Term Typically Offered: Occasionally Offered

Description: Provides advanced study of a specific topic related to social change from an interdisciplinary, social sciences perspective.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 503. Advanced Topics in Social Change: Social Sciences - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Provides advanced study of a specific topic related to social change from an interdisciplinary, social sciences perspective.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 513. U.S. Social Justice Movements 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Junior standing.

Description: Course will begin with abolitionism, then concentrate on social justice upsurges of the 20th century, with emphasis on women in the civil rights and black liberation movements.

Note: Cross-listed with WGST 513, and HIST 513, and PAS 513.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SCHG 538. Critical Social Theory 3 Units

Term Typically Offered: Occasionally Offered

Description: A critical examination of interdisciplinary theories that seek to understand and explain social formations while at the same time uncovering ways that such formations can be unjust and irrational.

Note: Cross-listed with PHIL 538.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Social Work (SW)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SW 101. Social Work Orientation 1 Unit

Term Typically Offered: Fall Only

Description: This class is designed to help students gain an increased awareness of academic support services offered throughout the University of Louisville and the Kent School of Social Work Advising and Student Services. It will allow BSW students to explore their academic and social self-awareness to create the best strategy for their career at the university. This orientation course is designed to help acclimate students to college life. The course will give the student information about how to plan which courses to take to stay on track with their BSW major, how to get involved on campus and future career paths of a social worker.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 201. Introduction to Social Work - D1, SB 3 Units

Term Typically Offered: Fall, Spring

Description: This course introduces students to the profession of social work, its Code of Ethics, values base and commitment to social justice and working with vulnerable and oppressed groups. Students are exposed to the profession's history as well as current social issues and trends. The course provides an introduction to the roles of the generalist social work practitioner within a theoretical framework that includes systems theory, an ecological perspective, a problem-solving model, and the value of diversity. The course stresses self-awareness in determining suitability for a career in social work.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 202. Intimate and Family Relationships - SB 3 Units

Term Typically Offered: Fall, Spring

Description: The course introduces students to the scientific study and understanding of couple and family life. Examination of attitudes and values regarding intimate relationships is encouraged. Class activities and assignments enable students to integrate personal experiences with newly gained understanding and knowledge.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 203. Human Biology for Social Sciences 3 Units

Term Typically Offered: Fall, Spring

Description: The course is designed to be a supporting course for bachelor degree students in social work. In each session, we consider fundamental physiological conditions and the structures related to each condition. While the course emphasizes normal functioning, each discussion will include examples of alterations caused by illness and exposure to exogenous substances (drugs, medications, and infections).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 204. Introduction to Social Statistics 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Completion of General Education Quantitative Reasoning (QR) Requirement.

Description: The purpose of this course is to introduce Bachelor of Social Work students to quantitative tools used to describe/interpret data used in social work practice, research, and policy formation. Students learn to plan and conduct analyses guided by understanding of social work.

Note: Cross-listed with MATH 109, PSYC 301, SOC 301, CJ 326, MGMT 201.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 301. Human Behavior and the Social Environment I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Completion of General Education requirements and admission to BSW program.

Description: Focuses on society at large (social movements, social institutions and social structure), larger environments (physical environment, communities, and formal organizations) and small groups. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 302. Social Welfare Institutions, Policies and Services 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Completion of General Education requirements and admission to BSW program.

Description: Explores the historical context and evolution of social welfare policy, and how dominant values and contextual factors shape policy in a broad range of social welfare arenas.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 303. Generalist Practice I 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Completion of General Education requirements and admission to BSW program.

Description: Orients students to the helping process and the generalist perspective. Emphasizes systems theory, the ecological model and strengths based perspectives and explores methods of interventions to enhance social functioning.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 304. Generalist Practice II 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SW 303.

Description: Addresses the development of the knowledge and skills necessary for generalist social work practice with individuals, maintaining the context and relationship with the environment.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 305. Writing & Critical Thinking Skills for Social Workers 3 Units

Description: The intent and purpose of this course is to offer Kent School social work students the opportunity to improve their critical thinking and writing skills within the context of their academic development as a professional social worker. The course is designed to instruct students about the application of critical thinking skills to writing and their thinking/reasoning as it relates to the numerous and complex skills necessary for ethical and competent practice in the social work profession. It will incorporate the use of evidence-based literature searches to assist students in learning how to better prepare academic papers and will also focus on improving overall college-level writing skills necessary for successful completion of the BSW and MSSW program. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 307. Diversity, Oppression and Social Justice Practice 3 Units

Term Typically Offered: Spring Only
Description: This undergraduate course is designed to provide students with the knowledge and skills for social work practice with people who are subject to various forms of oppression such as racism, sexism, heterosexism, classism, ageism, and ableism operating at the individual, community and institutional levels of society. Diversity, strengths, and social justice practice are emphasized. Developing greater professional and personal awareness about the impacts of various forms of oppression and social justice responses are addressed. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 315. Mental Health 3 Units

Term Typically Offered: Occasionally Offered
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW students.
Description: This course is designed to familiarize the student with a body of knowledge and the service delivery system known as mental health.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 319. Human Behavior and the Social Environment II 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): SW 301.
Description: Focuses on families, dyads, and the individual person (biological person, psychological person, spiritual person and the lifespan development).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 322. Issues in Policy and Service Delivery 3 Units

Term Typically Offered: Spring Only
Prerequisite(s): SW 302.
Description: Emphasizes the interrelationship between problem conceptualization, policy options, and their impact on social work practice and clients and analyzes these interrelationships in fields of child welfare, health, mental health and aging.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 332. Gay, Lesbian, Bisexual and Transgender (GLBT) Issues and Social Welfare 3 Units

Description: The purpose of this course is to introduce contemporary topics related to the social welfare of gay, lesbian, bisexual and transgender (GLBT) individuals. Issues addressed are related to development, health disparities, family, research, history and ethics.
Note: Course is cross-listed with SW 632.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 333. Social Work and Human Sexuality 3 Units

Term Typically Offered: Spring, Summer
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: This course provides knowledge about physical, behavioral, cognitive, emotional, and spiritual aspects of human sexuality. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 336. Death and Grief 3 Units

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.

Description: The main purpose of this course offering is to prepare bachelor's and master's level social workers for effective practice with persons experiencing terminal illness as patients, family or caregivers and persons coping with grief and loss.
Note: HBSE I and II recommended, not required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 352. Child Abuse and Neglect (Child Maltreatment) 3 Units

Term Typically Offered: Fall Only
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW students.
Description: This course is designed to provide a comprehensive introduction to child abuse and neglect from a social work perspective. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- SW 353. Child Abuse Interventions** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): SW 352; restricted to students admitted to Kent School of Social Work BSW program.
Description: In this course, students will learn about various practice skills and treatment interventions related to social work with abused/neglected children and their families.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 361. Special Issues in Alcohol and Drug Counseling** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: This course includes highly specialized and advanced topics in addiction treatment to prepare students to begin practice in Alcohol and Drug Counselor training. Content will round out and complete a basic course of study for alcohol and drug counselors that was not adequately addressed in substance abuse and motivational interviewing classes. These advanced topics will 1) generally aid students in submitting the application for certification as alcohol and drug counselors, 2) provide students with required case management training for working in a licensed alcohol and other drug treatment facility, and 3) prepare students for working within multidisciplinary teams and gain familiarity with clinical supervision methods utilized in substance abuse treatment programs. 4) Students will become familiar with the use of the Addiction Severity Index (ASI) a very common assessment tool widely used in substance abuse treatment settings. The complexity and demonstrated efficacy of specialized treatment for substance abuse disorders is well documented and preparation to work with this problem will be valuable across a range of populations; including, but not limited to individuals treated in traditional and non-traditional treatment settings. Evidence based knowledge is progressively improving the effectiveness of treatment. This course will utilize a convergence of knowledge to prepare students for their role in advancing the treatment of alcohol and other drug dependency.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 362. Substance Use and Substance Use Disorders** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: Examines current issues associated with substance abuse. Prevailing paradigms related to substance abuse are explored and pragmatic intervention strategies for dealing with those abusing substances are presented and applied.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 381. Social Gerontology** 3 Units
Term Typically Offered: Fall, Summer
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: This course is designed to enable students to understand the complexity of the aging process from the perspective of the individual, the family and society.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 382. Social Work Practice with Older Adults** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: This course will introduce students to the theory and practice of assessment and clinical intervention with older adults.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 384. Spirituality and Social Work** 3 Units
Term Typically Offered: Fall, Spring
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: This course is offered as an elective course and provides in-depth examination of the meaning of spirituality for social work practice.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 385. Planning and Community Development** 3 Units
Term Typically Offered: Spring Only
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: Using theories from the behavioral and social sciences, this course will provide students with a basic theoretical, methodological, value and skill base in social planning within a context of community development, organization and advocacy.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 397. Special Topics in Social Work** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program.
Description: Selected topics in Social Work. Topics chosen will reflect the needs of the students and the background of the instructor. May be repeated under different subtitles.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SW 405. Generalist Practice III** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): SW 303 and SW 304; SW 470 (or concurrent) and SW 472 (or concurrent).
Description: Focuses on mezzo systems. Applications of Social Work values, knowledge and methods with families and small groups is emphasized.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>SW 406. Generalist Practice IV Term Typically Offered: Spring Only Prerequisite(s): SW 405; SW 471 (or concurrent) and SW 473 (or concurrent). Description: Engage Social Work skill development and practice in the application of knowledge, skills, and methods to the macro systems of professional practice including neighborhoods, communities and organizations. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>SW 460. Motivation and Change Term Typically Offered: Fall, Spring Description: The course focus is on theory and evidence based practice methods aimed at engaging resistant people in the process of change: Motivational interviewing (MI) is a client-centered, yet directive method for enhancing intrinsic motivation for change. BSW Upper Division Elective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>SW 415. Mental Health Term Typically Offered: Spring Only Description: This course is designed to familiarize the students with the body of knowledge and the service delivery system known as "mental health." The factors of human experience that promote mental health or serve as a barrier to healthy functioning will be examined. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>SW 464. Social Work and the Law Term Typically Offered: Spring, Summer Prerequisite(s): Restricted to students admitted to Kent School of Social Work BSW program. Description: This course is designed to: 1) familiarize students with the legal system and the various roles of social workers within the legal arena; 2) increase student understanding of the impact of the legal system on social work clients and client groups; 3) increase student understanding of the interface of the law with professional social work practice; and 4) develop and enhance the skills needed by the professional social worker in situations where social work and the law interface. Note: Previously taught as SW 364.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>SW 426. Introduction to Social Work Research Term Typically Offered: Fall Only Prerequisite(s): SW 304. Description: Provides students the foundation knowledge for scientific inquiry, covering all aspects of the research process from problem formulation to writing of the research report. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>SW 470. Practicum I Grading Basis: Pass/Fail Term Typically Offered: Fall Only Prerequisite(s): SW 405 (or concurrent) and SW 472 (or concurrent). Description: This course is designed to provide an educationally supervised practicum within human services organizations. This is a generalist practicum work experiences based on the structural/strengths model of social work practice and taken concurrently with Practicum Seminar and Lab I and Generalist Practice III courses. This practicum course integrates course assignments to assist students in developing social work perspectives and skills, using the Elements of Thoughts from the Paul-Elder Framework of Critical Thinking in working with a range of client systems: individuals, couples, families, groups, organizations and communities. The practicum experience provides for the integration of theory learned across social work practice, human behavior, diversity, organizational and community dynamics, social policy and research courses. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>SW 442. Psychopathology Description: This course examines concepts of labeling theory, stigma, strengths perspective, and the clinical use of diagnostic classification of psychopathology from a social work perspective. The implications of various definitions of psychopathology and the uses of diagnostic systems to inform practice, policy, and promote social justice are considered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>SW 459. Introduction to Family Therapy Practice Description: This course emphasizes understanding assessment, case planning, and intervention in couple and family therapy. The students will be introduced to the major assessment and intervention ideas/skills associated with the major schools of marital family therapy. Skill development will encompass systemic assessment, consensus building, case planning and the tools necessary to conduct an initial interview. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

SW 471. Practicum II **3 Units**
Grading Basis: Pass/Fail
Term Typically Offered: Spring Only
Prerequisite(s): SW 470; SW 406 (or concurrent) and SW 473 (or concurrent).
Description: This course is designed to provide an educationally supervised practicum within human services organizations. This is a generalist practicum based on the structural/strengths model of social work practice and taken concurrently with Practicum Seminar, Lab II, and Generalist Practice IV courses. This practicum course integrates course assignments to assist students in developing social work perspectives and skills, using the Elements of Thoughts from the Paul-Elder Framework of Critical Thinking in working with a range of client systems: individuals, couples, families, groups, organizations and communities.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 472. Practicum Seminar and Lab I - CUE **3 Units**
Term Typically Offered: Fall Only
Prerequisite(s): SW 405 (or concurrent) and SW 470 (or concurrent).
Description: Supplements through class discussion, readings, and role play the experiences of the practicum, creating an arena for integration of practice theory and content.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 473. Practicum Seminar and Lab II **3 Units**
Term Typically Offered: Spring Only
Prerequisite(s): SW 472; SW 406 (or concurrent) and SW 471 (or concurrent).
Description: Supplements through class discussion, readings, role play the experiences of the practicum, creating an arena for integration of practice theory and content.
Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SW 499. Bachelor of Social Work Independent Study **1-3 Units**
Grading Basis: Pass/Fail
Term Typically Offered: Occasionally Offered
Description: This course offers Kent School undergraduate social work students the opportunity for students, under the supervision of a sponsoring faculty member, to pursue individualized student related to research or practice that is not included in regular course curriculum. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Sociology (SOC)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SOC 201. Introduction to Sociology - SB **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Introduction to the study of human societies. How societies are organized and changed and the implications of social organization on everyday life.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 202. Social Problems - D1, SB **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Structural sources and individual experiences of the major contradictions of contemporary societies. Poverty, racial/ethnic conflict, work and occupations, and the environment may be among the topics considered.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 203. Introduction to Social Psychology - SB **3 Units**
Term Typically Offered: Fall, Spring
Description: Introduction to the study of the relationship between the individual and society. Focus on growth of self, the behavior of people in groups, and the theories and research that aid understanding these phenomena.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>SOC 210. Race in the United States - D1, SB 3 Units Term Typically Offered: Fall, Spring Description: Examines the social processes leading to the development of major racial grouping in the United States. Focuses on racialization in the United States, relationship between assimilation and racialization, and causes and consequences of the social construction of race. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 315. Environmental Sociology 3 Units Term Typically Offered: Fall, Spring Description: Problem identification, policy formulation, and agenda implementation examined from an environmental and developmental perspective. Review of institutions, processes, and social conflict. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SOC 301. Introduction to Social Statistics 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of General Education Quantitative Reasoning Requirement. Description: Statistical concepts used in the social sciences: descriptive statistics, probability, sampling, hypothesis testing, estimation, regression and correlation, categorical data analysis, and statistical control. Note: Credit may not be earned for this course and MATH 109, PSYC 301, BSTA 201, BSTA 301, or CJ 326.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 320. Social Theory - WR 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): SOC 201. Description: General introduction to the classical origins and modern forms of social theory; examination of the major and influential schools of social theory. Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SOC 303. Introduction to Research Methods - WR 3 Units Term Typically Offered: Fall, Spring, Summer Description: An overview of research methods commonly used in Sociology. Elements of quantitative research design, the logic of inquiry, and ethical issues. Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 323. Diversity and Inequality 3 Units Term Typically Offered: Fall, Spring, Summer Description: Dimensions, sources, and problems associated with social inequality. Includes discussions of social class, gender, and race/ethnicity. Focus on American society, with international phenomena also considered. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SOC 305. Urban Sociology 3 Units Term Typically Offered: Fall, Spring Description: An introduction to the sociology of urban areas, including the study of how humans organize their lives in cities; analysis of the form and development of cities; and review of theories and research that aid understanding these phenomena. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 325. Sociology of Human Sexuality 3 Units Term Typically Offered: Fall, Spring, Summer Description: Examines human sexuality from historical and cross-cultural perspectives, with a focus on the structural and cultural foundations of sexual expression in the United States. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SOC 306. Demography 3 Units Term Typically Offered: Occasionally Offered Description: An introduction to the major theories, data sources, concepts, and measures of demography. Topics include population size, population growth, population composition, population distribution, fertility, mortality, and migration. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 327. Sociology of Gender 3 Units Term Typically Offered: Fall, Spring, Summer Description: Examines the differential status of women and men in all major social institutions and explores the structural foundations and theoretical explanations of gender inequality. Note: Cross-listed with WGST 313.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SOC 307. Rural Sociology 3 Units Term Typically Offered: Spring Only Description: Analysis of social change in rural areas of the United States, including social structure, demographic characteristics, mobility, and value orientations of rural people. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SOC 329. Sociology of Families 3 Units Term Typically Offered: Fall, Spring, Summer Description: Examines structural foundations, theoretical explanations, and historical and cross-cultural patterns of family formation to inform an understanding of trends in family form and function in the United States. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

- SOC 334. Sociology of Deviant Behavior** 3 Units
Term Typically Offered: Spring, Summer
Description: Study of theoretical and empirical approaches to the analysis of deviance. Among those theories to be reviewed are labeling theory, phenomenology, ecological theory, and conflict theory. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 336. Criminology** 3 Units
Term Typically Offered: Fall Only
Description: Study of crime emphasizing definition and causation of criminal behavior, crime reporting, occupational crime, professional and organized crime, and treatment of offenders. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 337. Motherhood and the Law** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course will examine the various ways the legal system impacts and regulates mothers. Students will critically analyze the effect court decisions and laws have on mothers using an intersectional approach (as developed by Kimberle Crenshaw). The course begins with setting a theoretical framework - built on both theories of motherhood and legal analysis - and from there will study the interplay between the law and motherhood, from reproductive rights through raising children. This course is designed to give students an understanding of how the justice system impacts mothers' lives, maintains systems of inequality, and regulates their bodies.
Note: Crosslisted with WGST 337.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 339. Black Women and the Criminology System** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course will examine the various ways the legal system impacts and regulates Black women. Students will critically analyze the effect court decisions and laws have on Black women using an intersectional approach of race, gender, economic class, differently abled bodies, sexual orientation, religion, and nationality. Students will first study legal standards and terminology as well as race and gender theory to develop a solid foundation on which to examine case law, constitutional standards and current events. This course is designed to give students an understanding of how the justice system impacts Black women's lives, maintains systems of inequality, and regulates their bodies. We will look at women lead the criminal justice reform movement both within and outside of the legal system.
Note: Cross-listed with WGST 339 and PAS 339.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 340. Mental Health and Illness** 3 Units
Term Typically Offered: Occasionally Offered
Description: Sociological perspective and analysis of the nature, development, identification, and treatment of mental illness. Examines the convergence of sociology, psychiatry, and psychology within the context of contemporary treatment systems. Explores prevalence and incidence rates of psychiatric disorders with particular attention given to the effects of social inequality on psychological well-being. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 342. Medical Sociology** 3 Units
Term Typically Offered: Occasionally Offered
Description: Sociological perspectives on the distribution and etiology of disease, differential response to illness, medical care and its organization, mortality, the hospital as an institution, medical education, and health policy and politics. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 343. Sociology of Women's Health** 3 Units
Term Typically Offered: Occasionally Offered
Description: Introduces key theoretical and substantive issues in the sociology of women's health and healing. Draws from feminist theories and their intersections with critical perspectives on gender, race/ethnicity, social structure, power and medicine; attention to social and cultural factors in the U.S. and abroad.
Note: Cross-listed with WGST 312.
For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 344. Sociology of Music in Contemporary America** 3 Units
Term Typically Offered: Fall Only
Description: Application of sociological perspective to various American musical subcultures, e.g., pop, rock, jazz, classical. Analysis of social organization, economic and commercial aspects, socialization and career mobility of musicians, structure of performing groups and their audiences, and trends in musical taste. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 346. Sociology of Religion** 3 Units
Description: Study of religion as a product of collective human endeavor, as a social institution; functions, types, and structures of religious organizations and conduct; relationships between religion and other aspects of sociocultural and class existence. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- SOC 350. Special Topics in Sociology** 3 Units
Term Typically Offered: Fall, Spring
Description: Exploration of well-defined topics in sociology not treated in regular courses. Topics will be announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 374. Money, Economics and Society - WR 3 Units

Term Typically Offered: Fall Odd Years

Description: The economy as a social institution; sociological theories of the development of capitalism; historical development of industrialization; labor-management relations; trade unions; the service economy; globalization.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 380. Animals and Society 3 Units

Description: This course examines human-animal interaction (or anthrozoology) as a means of studying society and will seek to address what the human-animal relationship reveals about society and how the ambivalent and controversial roles of animals are socially constructed.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 392. Faces of Global Poverty - WR 3 Units

Term Typically Offered: Occasionally Offered

Description: Persistent poverty in the Third World and specific groups in the United States. Focuses on the causes, consequences, solutions and survival strategies.

Note: Cross-listed with PAS 392/WGST 343.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 394. Globalization, Culture and Third-World Development 3 Units

Description: Examination of the social, economic, political, and ideological aspects of global economic development as they affect and shape the African development experience.

Note: Cross-listed with PAS 334.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 400. Independent Study - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): 18 hours in sociology, including 9 hours in the core; 3.5 GPA in Sociology; 3.0 GPA overall.

Description: Student must have program approved by instructor, chairperson, and dean before registration.

Note: Course form available in Advising Center.

Note: A maximum of six credit hours will apply toward the Sociology major.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 405. Voluntarism - CUE 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): SOC 201 and SOC 323; 90 credit hours; Sociology major; or consent of instructor.

Description: Investigation of issues and topics related to voluntary activity. Includes contact with voluntary organization in the local community.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 406. Applied Sociology - CUE 3 Units

Prerequisite(s): SOC 201, SOC 301, and SOC 303; or consent of undergraduate coordinator.

Description: Techniques for adapting research methodologies and skills to applied concerns and settings. Development of skills that are applicable to the examination of social issues and concerns.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 410. Sociology of Aging - CUE 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SOC 201 and SOC 323; 9 hours at the 300+ level in one social science; or permission of instructor.

Description: Human aging as a process emergent from the interaction of personal and social systems; social implications of living arrangements, family networks, health status, and community roles.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 415. Sociology of Death & Dying - CUE **3 Units**

Term Typically Offered: Summer Only

Prerequisite(s): SOC 201 and SOC 323; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: Examines thanatology (the study of death, dying, and bereavement) from a sociological perspective, exploring how death, dying, and bereavement are socially constructed in the United States.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 416. Sexual Assault and the Legal System **3 Units**

Term Typically Offered: Occasionally Offered

Description: Sexual Assault and the Legal System is designed to give students an understanding of how rape culture impacts the justice system, and vice versa. Students will critically analyze the effect stories about sexual assault have on the legal system using an intersectional approach of race, gender, economic class, differently abled bodies, sexual orientation, religion, and nationality. Students will first study legal standards and terminology as well as critical race and feminist theory to develop a solid foundation on which to examine case law, constitutional standards and current events.

Note: Cross-listed with WGST 416.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 417. Reproductive Justice **3 Units**

Term Typically Offered: Occasionally Offered

Description: In this course Reproductive Justice and the Law, we will examine how the legal system impacts reproductive justice. We will break down the term reproductive justice and how it differs from reproductive rights. We will discuss the complex political, social, religious, and cultural dynamics that make reproductive justice one of the most controversial, and pressing, issues of our time.

Note: Cross-listed with WGST 417.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 418. Domestic Violence **3 Units**

Term Typically Offered: Occasionally Offered

Description: This course will examine the ways the legal system shapes and enforces domestic violence law. We will examine the jurisprudence behind criminal law in general and legal foundation of domestic violence laws in particular. We will examine not only the history of domestic violence, but also the human element, studying the role of individual discretion and how neuroscience illuminates why outcomes for individuals can vary so greatly within the same legal system. We will study specific laws (ex: mandatory arrest) and we will apply an intersectional lens to all topics discussed. This class ultimately asks if the legal system is even capable of addressing the social harm of domestic violence, and if that answer is yes, how this is to be accomplished.

Note: Cross-listed with WGST 418.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 420. Sociology of Sport **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): SOC 320; or Sport Administration (SPAD) major or minor; or consent of instructor.

Description: Examines race, gender, social class, and other factors as they affect sport in society.

Note: Cross-listed with SPAD 391.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 425. Sociology of Leisure - CUE **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): SOC 201 and SOC 323; or nine hours at the 300+ level in one social science; or consent of the instructor.

Description: This course offers a sociological examination of how leisure interacts with gender, race and ethnicity, age, social class and other important social characteristics. It also considers how social theories, some unique to leisure studies, can be applied to key topics in the field, such as socialization into and through leisure activities, how leisure shapes well-being, the commodification of leisure, and tourism.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 435. Medicine, Health and Illness - CUE 3 Units

Term Typically Offered: Fall Even Years

Prerequisite(s): SOC 201 and SOC 323; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: This course introduces the student to the study of medical sociology and examines the different ways in which social groups experience health and illness at the micro-level (through face-to-face and small-to mid sized group interactions). Course material will explore how experiences of health and illness are shaped by life experiences, including class, race/ethnicity and gender.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 440. The Health Care System - CUE 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): SOC 201 and SOC 323; and 9 hours at the 300+ level in one social science; or consent of instructor.

Description: Overview of medical sociology, focusing on the socio-historical development of health care systems and institutions in the United States. Relevant health care policies will also be examined.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 442. Sociology of Disabilities 3 Units

Prerequisite(s): 9 hours at 300+ level in one social science; or consent of instructor.

Description: Sociological perspectives on medicine, culture, and science are used to examine the meanings, experiences, demographics, and impacts of disability in historical and contemporary social contexts.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 450. Special Topics in Sociology - CUE 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Nine credit hours in core or consent of instructor.

Description: Exploration of well-defined topics in sociology not treated in regular courses. Topics will be announced in Schedule of Courses.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 451. Special Topics in Sociology - CUE, WR 3 Units

Term Typically Offered: Spring Even Years

Prerequisite(s): Nine credit hours in core or consent of instructor.

Description: Exploration of well-defined topics in sociology not treated in regular courses. Topics will be announced in Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 453. Social Change 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SOC 201 and SOC 320; or consent of instructor.

Description: Examines social change from a sociological perspective; explores theories, spheres, patterns, consequences of change; involves students in field study of actual case of change in local community or region.

Note: Cross-listed with SCHG 453.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 454. Social Stratification - CUE, WR 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): SOC 201, SOC 320, and SOC 323; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: Analysis of systems of the distribution of power, property, privilege, and prestige in human communities and societies. Comparison of alternate theories of the nature of distributive systems.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 455. Sociology of Work - CUE, WR **3 Units**

Term Typically Offered: Spring Even Years

Prerequisite(s): SOC 201, SOC 320, and SOC 323; 9 hours at 300+ level in one social science; or consent instructor.

Description: Examines historical forces which have shaped the social division of labor, various structural arrangements in the workplace, and current occupational trends; the use of sociological theory in the study of industrial society; the social organization of work, alienation, labor relations, personnel policy, the impact of industrialization on social life and culture.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 456. Gender and Work **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): SOC 201 and SOC 320; or 9 hours at 300+ level in one social science; or consent of undergraduate instructor.

Description: The structural position of gender in the workplace; examination of changes, current trends, and difference in gender socialization for work.

Note: Cross-listed with WGST 414.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 458. Women: International Perspective **3 Units**

Prerequisite(s): SOC 201 and SOC 327; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: Examination of major social concerns of women around the world, such as issues related to labor and slavery, sex trafficking, religion, media representation, health, education, political involvement, and violence against women.

Note: Cross-listed with WGST 458.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 460. Gender in the Middle East **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): SOC 201 and SOC 327; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: This course examines the ways in which gender shapes, and is shaped, by social, political, economic, and cultural processes in the Middle East.

Note: Cross-listed with WGST 460.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 464. Race and Ethnicity - CUE, WR **3 Units**

Term Typically Offered: Fall, Spring

Prerequisite(s): SOC 201, SOC 320, and SOC 323; or 9 hours at 300+ level in one social science; or consent of instructor.

Description: Inter-group relations in multi-racial/multi-ethnic societies. Historical and social origins of racism as a system and an ideology.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 470. Political Sociology - CUE **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): SOC 320; 9 hours at the 300+ level in one social sciences, or consent of instructor.

Description: Focuses on the theoretical and empirical issues pertaining to the relationship between political processes, political structures, the state, and society.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 472. Sociology of Education - CUE, WR **3 Units**

Term Typically Offered: Fall Only

Prerequisite(s): SOC 201, SOC 303, and SOC 323; or consent of instructor.

Description: The historical development of education as a social institution and as an instrument of socialization and cultural diffusion. The course examines issues which may include power relations, tracking, innovation, cultural diversity, and other social processes.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 480. Juvenile Delinquency - CUE **3 Units**

Term Typically Offered: Spring Only
Prerequisite(s): SOC 201 and SOC 323, or 9 hours at 300+ level in one social science; or consent of instructor.
Description: The nature and extent of juvenile delinquency, including causation, control of delinquency, and methods of delinquency research.
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 498. Honors Thesis - WR **1 Unit**

Prerequisite(s): Sociology major; having earned at least 75 hours; have earned at least 18 hours in Sociology, including SOC 303 and SOC 320; 3.5 GPA in sociology; 3.0 GPA overall.
Description: Original theoretical or empirical work in the field of sociology.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 499. Senior Honors Thesis - CUE, WR **3 Units**

Term Typically Offered: Fall, Spring
Prerequisite(s): Sociology major with at least 75 credit hours; at least 18 hours in Sociology, including SOC 303 and SOC 320; 3.5 GPA in Sociology; 3.0 GPA overall.
Description: Original theoretical or empirical work in the field of Sociology.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 500. Special Topics **3 Units**

Prerequisite(s): Nine hours of core courses or consent of instructor.
Description: Exploration of well-defined topics in Sociology not treated in regular courses. Topic will be announced in Schedule of Courses.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 512. Gender, Race, Work, and Welfare **3 Units**

Prerequisite(s): 9 hours of social sciences work at the 300 level or above; or consent of instructor.
Description: Introduction to theory and research on labor market and welfare state with focus on gender race/ethnicity as they influence women's experiences of and ideas about work and welfare.
Note: Cross-listed with WGST 512 and PAS 512.
Note: Credit may not be earned for both SOC 512/WGST 512/PAS 512 and SOC 612/WGST 612/PAS 612.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SOC 530. Visual Sociology **3 Units**

Prerequisite(s): Permission of instructor required.
Description: A field-oriented, laboratory-based course using the camera as a tool in studying and documenting selected elements of the rich and complex social environment.
Note: Students must have a 35mm SLR camera.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Spanish (SPAN)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SPAN 000. Spanish Study Abroad **1-30 Units**

Term Typically Offered: Fall Only
Prerequisite(s): Participation in the University of Louisville Language Study Abroad Program and/or programs conducted by the International Center.
Description: Credit awarded to students who have successfully completed the program. Upon return, the student will be required to demonstrate proficiency at a level agreed upon by the Department of Classical and Modern Languages prior to departure.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>SPAN 121. Spanish Language and Culture for Low Beginners I 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Placement score below 250 on the WebCAPE Spanish placement exam or no previous study of the language. Description: An introduction to the fundamental elements of the Spanish language within a cultural context. Emphasis is on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond to familiar topics in spoken and written Spanish as well as demonstrate cultural awareness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 142. Intensive Spanish II 6 Units Term Typically Offered: Summer Only Prerequisite(s): SPAN 141 or equivalent. Description: Continuation of SPAN 141. Note: Not counted toward major.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 122. Spanish Language and Culture for Low Beginners II 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): SPAN 121 or equivalent. Description: A continuation of SPAN 121 with a focus on the fundamental elements of the Spanish language within a cultural context. Emphasis is on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and should be able to demonstrate further cultural awareness. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 201. Intermediate Spanish I 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): Completion of SPAN 123 or SPAN 142 or equivalent or score between 370-439 on the WebCAPE Spanish placement exam or score of 205 on the Spanish Heritage Language Test. Description: Consolidation and review of language skills to improve speaking, listening, reading and writing ability. Introduction to Hispanic culture and ethnicity within a global context as revealed in film and text. Note: Formerly SPAN 301.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 123. Spanish Language and Culture in Review 4 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of SPAN 122 or equivalent or placement score between 250-369 on the WebCAPE Spanish placement exam or score of 125 on the Spanish Heritage Language test. Description: Application of basic language skills to build competence in speaking, listening, reading and writing ability. Development of intercultural competence as a means to a deeper understanding of the peoples and cultures of the Hispanic world as revealed in film, text and traditions. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 202. Intermediate Spanish II 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 201. Description: Continuation of SPAN 201. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 125. Basic Spanish for Heritage Learners 4 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Score of 125 on the Spanish Heritage Language test. Description: Designed for students from a Spanish-speaking background. Basic level Spanish course that builds on and expands the knowledge and skills that Heritage Learners bring to the language classroom. Note: Credit cannot be earned for both SPAN 125 and SPAN 123.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 205. Intensive Intermediate Spanish for Heritage Learners 6 Units Prerequisite(s): Completion of SPAN 125 or score of 205 on the Spanish Heritage Language Test. Description: Designed for students from a Spanish-speaking background. An intensive intermediate level course that provides heritage learners with the opportunity to expand their proficiency for language use in a wide variety of situations. Note: Credit cannot be earned for SPAN 205 and SPAN 201.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 141. Intensive Spanish I 6 Units Term Typically Offered: Summer Only Prerequisite(s): Placement score below 295 or no previous study of the language. Description: Development of the four language skills: understanding, speaking, reading and writing. Note: Not counted toward major. Note: For beginners.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 301. Spanish Pronunciation 3 Units Term Typically Offered: Fall Only Prerequisite(s): Completion of or enrollment in SPAN 202. Description: An introduction in the study of Spanish phonetics with emphasis on practical exercises for improving students' pronunciation of Spanish. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 305. Spanish Grammar in Context 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 202 (or concurrently) or placement score of 440-650. Description: Instruction and practice in the complex structural patterns of Spanish as studied in context. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 301. Spanish Pronunciation 3 Units Term Typically Offered: Fall Only Prerequisite(s): Completion of or enrollment in SPAN 202. Description: An introduction in the study of Spanish phonetics with emphasis on practical exercises for improving students' pronunciation of Spanish. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>SPAN 310. Readings and Writing in Spanish I 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 202 or placement score of 440-650. Description: Readings from texts that discuss or embody Hispanic culture, and writing based on those readings. Note: Completion of or enrollment in SPAN 305 is recommended.</p>	<p>SPAN 325. Bridging Linguistic Registers for Heritage Learners of Spanish 3 Units</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>Term Typically Offered: Fall Only Prerequisite(s): Completion of SPAN 205 or score of 325 on the Spanish Heritage Language Test. Description: Designed to expose heritage learners of Spanish to the functional structures of language and the wide varieties of linguistic register as means of further developing communicative skills in Spanish. Note: Credit cannot be earned for SPAN 325 and SPAN 305 or SPAN 321.</p>
<p>SPAN 311. Cultural Readings and Writing in Spanish II 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 305 and SPAN 310. Description: Readings from texts that discuss or embody Hispanic culture, and writing based on those readings. Note: Continuation of SPAN 310.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 335. Advanced Spanish for Heritage Learners 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Completion of SPAN 205 or score of 325 on the Spanish Heritage Language Test. Description: Designed to continue development of writing, reading, and critical thinking skills of Heritage Learners. Note: Credit cannot be earned for SPAN 335 and SPAN 310 or SPAN 311.</p>
<p>SPAN 313. Special Topics in Spanish Literature, Language, and Culture 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): SPAN 305 and SPAN 310. Description: Study of an aspect of Spanish or Spanish American literature, culture and/or language. Note: May be repeated once for credit.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 401. Foundations of Spanish Civilization 3 Units Term Typically Offered: Spring Only Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test. Description: Survey of Spanish civilization from prehistory to the rise of the Spanish empire, with special emphasis on the multicultural environment of medieval Iberia.</p>
<p>SPAN 320. Spanish Conversation in the Community 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): SPAN 305 and SPAN 310. Description: Intensive practice of spoken Spanish in class and in the community. Fifteen hours of service learning outside of class required. Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 402. Cultural and Literary Perspectives on Modern Spain 3 Units Term Typically Offered: Fall Only Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test. Description: Study of salient characteristics of modern Spanish culture and key literary movements and authors from the 17th century to the present.</p>
<p>SPAN 321. Communication and Conversation in Spanish 3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): SPAN 305 and SPAN 310. Description: Intensive practice of spoken Spanish. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 323. Spanish for the Workplace 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 202 or permission of instructor. Description: Business vocabulary, correspondence, practices, regulations. Cultural, political, and historical factors affecting business in Spanish-speaking countries. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 403. Foundations of Latin American Nations and Identities 3 Units Term Typically Offered: Fall Only Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test. Description: Development of Latin American culture, arts and literature from the Colonial Period through the 19th century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

SPAN 404. Cultural and Literary Perspectives on Modern Latin America 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test.

Description: Study of the development of Latin American culture, arts, and literature from the 20th century to the present.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 405. Introduction to Literary Analysis 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test.

Description: The basic tools of textual analysis. Development of the ability to discuss literature in a critical manner through the study of its three most representative genres: fiction, poetry and drama. An introduction to basic theoretical approaches to literary texts and the technical terminology needed to articulate textual responses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 422. Spanish Phonetics 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SPAN 311 and SPAN 321; and one 400-level course in Spanish (or concurrently).

Description: Critical examination of articulatory phonetics and phonological processes with special emphasis on Spanish/English contrastive analysis. Introductory analysis of and practice in the Spanish sound system.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 440. Community Internship 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): SPAN 311 and SPAN 321, and permission of instructor.

Description: An individually arranged internship that allows majors and minors to practice their language skills while enhancing their knowledge of culture as well as practical and critical thinking skills. Students work for a total of 80 approved hours per semester and complete accompanying academic work.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 460. Advanced Spanish Skills Through Translation - WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): SPAN 311 and SPAN 321; and 6 hours at the 400 level in Spanish.

Description: Advanced oral and written skills in Spanish, with emphasis on the translation of a wide variety of texts.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 490. Spanish Capstone Seminar - CUE, WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Senior standing and completion of 6 hours in Spanish at the 400 level or above.

Description: In-depth examination of an area of Hispanic Studies.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 491. Undergraduate Research - WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Senior standing and faculty consent.

Description: An intensive examination of a topical area in Hispanic Studies undertaken with a designated faculty advisor.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 499. Special Topics in Spanish Culture, Literature and Linguistics 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): SPAN 311 and SPAN 321.

Description: Intense investigation of an aspect of Hispanic culture, arts, literature, and /or linguistics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAN 500. Spanish Study Abroad 1-15 Units

Prerequisite(s): Membership in a University of Louisville Language Study Abroad Program or a program approved by the department.

Description: Credit awarded upon demonstration of successful completion of program undertaken with prior approval of the department, including a paper or project and an oral or written examination in the language and culture, administered under the supervision of a faculty member.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>SPAN 511. Studies in Spanish Medieval Literature 3 Units Prerequisite(s): SPAN 311, SPAN 321, SPAN 400. Description: Special studies in the original language of selected works from the medieval period. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 529. Spanish-American Poetry 3 Units Prerequisite(s): SPAN 355, SPAN 403, or SPAN 404, or consent of instructor. Description: Selected Spanish-American poets, movements and national traditions. Critical methodological theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 513. Studies in Spanish Golden Age Literature 3 Units Prerequisite(s): SPAN 311, SPAN 321, SPAN 400. Description: Intensive study of significant works of the Spanish Golden Age. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 530. Spanish-American Narrative 3 Units Prerequisite(s): SPAN 355, SPAN 403 or SPAN 404 or consent of instructor. Description: Selected Spanish-American novelists and short story writers, movements and national traditions. Critical methodological theory. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 516. Literary Influences in Nineteenth-Century Spanish 3 Units Prerequisite(s): SPAN 311, SPAN 321, SPAN 400. Description: Study of significant writers of the Spanish Romantic, Realistic, and Naturalistic periods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 544. Advanced Grammar and Stylistics 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): SPAN 311, SPAN 321, and 6 hours at the 400 level in Spanish. Description: An intensive review of the more problematic aspects of Spanish grammar (including prepositions, subjunctive, conditional sentences, relative clauses, spelling, punctuation); a reflection on the nature and functions of written language; and a hands-on-workshop on achieving clarity and grace in written texts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 518. Studies in Twentieth-Century Literature of Spain 3 Units Prerequisite(s): SPAN 311, SPAN 321, SPAN 400. Description: Study in depth of significant works of the Post-Civil War period. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 554. Hispanic Culture through Film and Media 3 Units Prerequisite(s): SPAN 401, SPAN 402, SPAN 403, or SPAN 404; or consent of instructor; admission to the Spanish MA program. Description: Study of specific/selected issues focusing on the Hispanic cultural milieu; its multiracial values and means of communication as manifested in the visual and print media (film, television, newspapers, documentaries, etc.) For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 524. Introduction to Hispanic Linguistics 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAN 311 and SPAN 321; or SPAN 325 and SPAN 335; or score of 400 on the Spanish Heritage Language Test. Description: Introduction to basic linguistic concepts, exploration of communicative strategies, and investigation of Hispanic culture and dialectology. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 561. Independent Study 1-3 Units Prerequisite(s): Consent of department. Description: Independent study in areas not covered in the regular curriculum. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 527. Latin American Literature: Colonial Period through 19th Century 3 Units Prerequisite(s): SPAN 355, SPAN 403, or SPAN 404, or consent of instructor. Description: Study of significant literary works from the Colonial Period through 19th century. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAN 570. Basic Interpreting Skills 3 Units Term Typically Offered: Fall Only Prerequisite(s): SPAN 311 and SPAN 321 (or SPAN 325 and SPAN 335); and 6 hours at the 400 level; or consent of instructor. Description: Provides an overview of the theoretical and practical foundations of Interpreting in community settings, including legal, health, education and social settings; intensive practice in consecutive interpreting, sight translation and basic simultaneous interpreting. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAN 528. Contemporary Spanish-American Theatre 3 Units Prerequisite(s): SPAN 355, SPAN 403, or SPAN 404, or consent of instructor. Description: Major trends and authors in Spanish-American theatre since c. 1950. Critical methodology for theatre. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

SPAN 599. Special Topics **3 Units**
Prerequisite(s): Consent of instructor.
Description: Topics of a unique or specialized nature in Spanish language, literature or culture.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Sport Administration (SPAD)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SPAD 180. The Sport Spectator Experience **3 Units**
Description: This course presents an overview of the sport industry from the perspective of the fan/spectator.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 281. Principles of Sport Administration **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: Principles and theory of administration and management as they apply to the administration and management of sport, fitness, leisure, and recreation services, and programs.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 284. Issues and Ethics in Sport **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: This course will examine relevant issues and trends in sport administration.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 353. Sport and Film **3 Units**
Term Typically Offered: Summer Only
Description: An examination and critical analysis of sport in film.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 360. Administration of Intramural Activities **3 Units**
Term Typically Offered: Fall, Spring, Summer
Description: History, present status, objectives, units of competition, program of activities, rules and regulations, awards, and administrative problems related to administration of intramural activities.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 369. Directed Readings in Sport Administration **1-3 Units**
Prerequisite(s): Consent of instructor.
Description: Supervised readings pertaining to a research topic in Sport Administration.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 382. Sport Management and Leadership **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Admission to the College of Education and Human Development or College of Business or officially accepted as a Sport Administration minor.
Description: This course is designed to expand the student's understanding of various management theories, research, and their application to sport organization and administration.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 383. Sport Marketing **3 Units**
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): Admission to the College of Education and Human Development or College of Business or officially accepted as a Sport Administration minor.
Description: The application of the principles of promotion and marketing to the sport and fitness industry including the areas of professional sports, corporate fitness, college/high school athletics, clubs and resorts, and more.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 390. Sport Governance **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): SPAD 281; and admission to the College of Education and Human Development or College of Business or officially accepted as a Sport Administration minor.
Description: The course is designed to provide knowledge and awareness of the rules and laws governing various sports organizations as well as participants.
 For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 391. Sociology of Sport **3 Units**
Term Typically Offered: Fall, Spring
Prerequisite(s): SOC 320; or Sport Administration major or minor; or consent of instructor.
Description: Examines race, gender, social class, and other factors as they affect sport in society.
Note: Cross-listed with SOC 420.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 401. Career Development in Sport Administration 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): SPAD 382; SPAD 383; admitted as a Sport Administration major; or consent of instructor.

Description: This course is designed to provide the student an orientation on the professional careers within the sport industry. The course is designed to prepare the student for an internship or full-time employment with a sport organization. This course will assist students to develop industry knowledge and professional development for a career in the sport industry. This will provide career counseling, supervised practicum and volunteer experiences and extended opportunity for students to develop their professional network.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 402. Internship in Sport Administration - CUE 3-4 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to Sport Administration major, SPAD 401.

Description: An individually arranged course combining work experience with a related academic or creative project.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status., CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 403. Field Experience in Sport Administration 1-3 Units

Prerequisite(s): Degree status; completion of 21 hours toward degree; completion of 6 hours of Sport Administration courses.

Description: Supervised practical work experience in an organization or business related to the student's academic field area of specialization or career interest.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 404. Financial Principles in Sport 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Admission to Sport Administration major or consent of instructor.

Description: Examines basic financial and managerial accounting concepts necessary to be financially literate in the business of sport. Analysis into the understanding of corporate annual reports in the sport industry will further equip the student with essential management tools while providing the student with an overview of the financial strengths and weaknesses of various sporting goods manufacturing companies. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 405. Sport Facility Management 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to Sport Administration major or consent of instructor.

Description: Investigates the design and development of various athletic facilities in diverse settings. Examines corporate, community, and commercial facilities for strengths and weaknesses in design and management procedures.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 437. Data and Analytics in Sport 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Admission to Sport Administration major or consent of instructor.

Description: An application of data and analytics in sport.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 445. Sport Communication 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to Sport Administration major or instructor permission.

Description: The purpose of this course is two-fold: 1) to explore sport communication theories and how they relate to current issues and topics within the sport communication realm, particularly as they address mass media communication and the larger sport environment; and 2) to examine more practical concepts, activities, and behaviors related to sport communication and apply them to professional and collegiate sports.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 480. Athletics in Higher Education 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): Admission to Sport Administration major or consent of instructor.

Description: Examination of the historical development of athletics within American institutions of higher learning with an emphasis upon concept and ideas that underlie the developments and the major problems affecting contemporary intercollegiate athletics.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SPAD 489. Legal Aspects of Sport 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Admission to Sport Administration major or consent of instructor.

Description: The exploration of litigation has mandated that sport administrators be able to discern potential areas of liability. This course will inform those in sport administration, athletics, physical education, and recreation of legal duties and responsibilities, legal rights, liability prevention, alternatives to litigation and actions to pursue if involved in a suit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>SPAD 490. Senior Seminar in Sport Business 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): SPAD 382, SPAD 383, and SPAD 390; and Sport Administration major. Description: Analysis of the sport industry since 1945. Emphasis on specific segments ranging from professional sport and intercollegiate athletics to the sport club industry and sporting goods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAD 529. Women and Sport 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Junior standing or consent of instructor. Description: An effort to understand the role of the American woman in sport. Studies concepts about women, sport, and society in contemporary and historical perspectives. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAD 509. International Sport 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: This course is designed to examine sport from an international perspective, identifying differences in governance and social issues affecting sport managers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAD 530. Sport Promotion and Sales 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: Covers the application of various promotional strategies such as advertising, direct sales, sales promotion, and publicity and examines how those strategies are integral to a sport organization's marketing plan. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAD 510. Entrepreneurship in Sport Business 3 Units Prerequisite(s): Junior Standing or consent of instructor. Description: This course will provide an analysis of entrepreneurship in sport and the sport industry. Emphasis will be placed on the structure and framework of entrepreneurial endeavors and the theory and practice on entrepreneurs in sport. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAD 536. Sport Administration in Nonprofit Organizations 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: This course provides a comprehensive introduction to the principles of management and their practical applications to sport, leisure and recreation organizations in the nonprofit sector. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAD 521. Independent Study in Sport Administration 1-3 Units Prerequisite(s): Consent of instructor. Description: Independent examination of selected topic(s) in Sport Administration. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAD 561. Special Topics in Sport Administration 1-3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Junior standing or consent of instructor. Description: Selected projects of interest to Sport Administration faculty. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAD 524. Management of Professional Baseball 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: This course is designed to examine the professional baseball segment of the sport industry from a managerial perspective, identifying the sports history, governance structures, and the social issues affecting sport managers. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>SPAD 571. Sport for Development and Peace 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: This course will introduce students to sports for social change, often referred to as Sport for Development and Peace (SDP). Through this class, students will develop practical and theoretical knowledge of SDP by learning about key issues and concepts. The goal of the class is for students to develop an understanding of how SDP relates to their future career of choice in the sport industry. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>SPAD 525. Sport Event Planning and Management 3 Units Prerequisite(s): Junior standing or consent of instructor. Description: This course is designed to introduce students to principles and practices of planning, funding, operating, and evaluating events within the sport industry. This course includes actual hands-on involvement with event planning and management. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

Sustainability (SUST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

SUST 101. Introduction to Sustainability - SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The study of sustainability is an interdisciplinary activity that examines interrelated environmental, political, economic, and social problems facing humans and society at local, regional and global scales. This course provides an introductory survey of the concepts, values, frameworks, and methodologies that contribute to understanding and responding to problems such as climate change, environmental degradation, and the issues of limited resource allocation.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 201. Environmental Management 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): SUST 101.

Description: This course introduces students to major environmental problems in sustainability. Students will examine the biophysical or ecological properties, manifestations, and consequences of these problems at local, regional, and global scales. The course will take particular interest in human-environment interactions, understanding the role different ecosystems and environmental processes play in human well-being, as well as how humans interact with and influence biodiversity, structure, and function of natural systems worldwide.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 202. Behavioral Dimensions of Environmental Decision-Making 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SUST 101.

Description: This course will examine sustainability through a behavioral lens, exploring the psychological processes, primary research methods, and behavioral solutions involved in environmentally responsible behavior and sustainability. Students will be introduced to key principles of motivation, perception, and decision-making to identify fundamental behavioral obstacles to sustainability.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 301. Sustainable Built Environment 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SUST 101 and a 200-level SUST course.

Description: The course will explore the issues of sustainability from the perspective of the built environment, our history of construction and expansion, and buildings and how they interact with the natural environment. These issues will be explored from building specific, as well as urban system, perspectives including urban design. Further, the course will focus on identifying and implementing practices that lead to more sustainable man-made modifications of natural environment for human purposes. The course will comprise of a discussion about sustainable sources for energy, water, air, materials for human habitat design and management.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 401. Independent Study Sustainability - CUE 1-3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): SUST 101, SUST 201, SUST 301, and permission of the instructor.

Description: By making arrangements with a faculty member, students can register for one to three hours of credit in SUST 401 to participate in research relevant to sustainability science or practice.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 402. Policy and Governance in Sustainability - WR 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): SUST 101, SUST 201, and SUST 202.

Description: The course will deal with policy making and governance, and explore the impacts of political economy on overall sustainability. Students will examine desired economic conditions, policies, and governance systems that may encourage adoption of best practices in sustainability, including city / county level policy making, state and federal level issues (e.g., EPA, renewable energy incentives), and grassroots political organizing.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 403. Sustainable Societal Systems 3 Units

Term Typically Offered: Spring Only

Prerequisite(s): SUST 101, SUST 201, and SUST 202.

Description: This course examines sustainability problems and processes as embedded within large social-ecological systems and societal frameworks in the U.S. and globally. Students will examine topics in sustainability from a holistic systems perspective, in which "sustainability" is seen to integrate multiple actors, social systems (e.g., culture, economy, communities, and governance), environmental processes, and built / technological infrastructures at multiple scales to archive human welfare and lasting environmental prosperity (i.e., "social-ecological sustainability").

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 404. Sustainability Internship - CUE **3 Units**

Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): SUST 101, SUST 201, SUST 202, SUST 301, and permission of the instructor.

Description: The Sustainability Internship is a culminating learning experience for students to develop critical thinking skills, synthesize lessons learned from the BA in Sustainability, and apply the knowledge to real-world projects or activities in sustainability. Typical Internship sites and clients will include: local government agencies, community-based organizations, business organizations, and university committees or partnerships.

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 480. Special Topics in Sustainability **3 Units**

Term Typically Offered: Occasionally Offered
Prerequisite(s): Consent of instructor.

Description: Examination of an advanced topic related to sustainability. Topics will vary depending on instructor.

Note: May be repeated for credit.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 518. Urban Demography and GIS **3 Units**

Prerequisite(s): SUST 101; completion of Math/Quantitative Reasoning General Education requirement; Junior or Senior standing.

Description: A spatial analysis of the distribution, characteristics, growth and change of the population of a metropolitan area.

Note: Cross-listed with PLAN 618 and PADM 621.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

SUST 576. Sustainable Social-Ecological Systems **3 Units**

Term Typically Offered: Fall Only
Prerequisite(s): SUST 101, SUST 201 or SUST 202; and SUST 301; or consent of instructor.

Description: The course is designed to address the social ecological frameworks for understanding and applying sustainability concepts in both theory and practice.

Note: Cross-listed with PLAN 676, UPA 676, and PADM 676.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Theatre Arts (TA)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings

may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

TA 207. Enjoyment of Theatre - AH **3 Units**

Term Typically Offered: Fall, Spring, Summer

Description: A survey of theatre from its origins to the present, with an emphasis on dramatic literature, and theatrical techniques. For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 224. Introduction to Acting as Communication - OC **3 Units**

Term Typically Offered: Fall, Spring

Description: This course is an introduction to theatre and performance as communication. Students will develop a general performance awareness and effective approaches to speaking in front of a variety of groups throughout the course. Students will demonstrate critical thinking and problem-solving by exploring the link between self and partner/audience. Additionally, students will build and grow themselves in performance and communication through ensemble building, active listening, acting exercises, and creative material development. The semester will culminate in a student-conceived, -written and -performed presentation piece.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 240. Stagecraft **3 Units**

Term Typically Offered: Fall Only

Description: An introduction to aspects of technical theatre, including theatre facilities, scenic production, and production planning. Production work is required.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 243. Design Aesthetics - AH **3 Units**

Term Typically Offered: Fall Only

Description: This course is designed for students interested in further study into the principles, fundamentals, techniques and process of design.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 245. Costume Construction **3 Units**

Term Typically Offered: Spring Only

Description: This course will focus on gaining basic hands-on costume construction skills. Students will keep a binder for the entire body of work during semester to collect all notes, measurement charts, paper patterns used for construction of each project, and photos to record their final work.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>TA 322. Acting the Black Experience - AH, D1 3 Units Term Typically Offered: Fall Only Description: Fundamental approaches to performance developed through improvisation, call and response, rhythm and movement styles that are drawn from the black experience in America. Note: Cross-listed with PAS 353.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 345. Introduction to Costume Design 3 Units Term Typically Offered: Fall Only Description: A survey of clothing styles as they relate to the design of costumes for the stage. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 324. Acting for Non-majors 3 Units Term Typically Offered: Fall, Spring, Summer Description: Survey of basic acting techniques, intended for students who do not anticipate careers in theatre. Does not automatically apply to theatre degree requirements. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 346. Stage Make-up 3 Units Term Typically Offered: Occasionally Offered Description: Basic techniques of design and execution of makeup for the stage. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 326. Cultural Diversity in Performance - AH, D1 3 Units Term Typically Offered: Fall, Spring Description: Performance and discussion of selected public and private texts written by American minority writers. Course explores what it means to be part of a culturally diverse society. Note: Cross-listed with PAS 355.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 349. Introduction to Lighting Design 3 Units Term Typically Offered: Spring Odd Years Prerequisite(s): TA 241 or faculty consent. Description: Intensive study of modern stage lighting with emphasis on equipment and basic electricity. Production requirement. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 327. Acting Fundamentals: The Craft of Imagination 3 Units Term Typically Offered: Fall, Spring Prerequisite(s): TA 224. Description: This course is focused on the practical application of the art and craft of acting, with emphasis on the body, voice, and actor's imagination. The course provides the beginning student with basic techniques and vocabulary through exercises, monologue, and scene work. Note: It is recommended that students enrolled in this course should be enrolled in or have already taken one of the following: TA 360, TA 361, or TA 362.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 350. Theatre Production Practicum 1 Unit Term Typically Offered: Fall, Spring Description: Application of technical theatre practices in Mainstage productions of UofL Theatre Arts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 330. Directing 3 Units Term Typically Offered: Spring Only Prerequisite(s): TA 321 or equivalent, and permission of instructor. Description: Fundamental techniques of theatre directing, including script analysis and rehearsal methods. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 351. Theatre Performance Practicum 1 Unit Term Typically Offered: Fall, Spring Description: Application of theatrical performance techniques in mainstage productions of UofL Theatre Arts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 340. Introduction to Scene Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): TA 240 or faculty consent. Description: Techniques of scene design, including drafting, rendering, working drawings and set models. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 352. Special Topics in Theatre 1-3 Units Term Typically Offered: Spring Only Description: Study of specific areas of theatre arts as announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 340. Introduction to Scene Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): TA 240 or faculty consent. Description: Techniques of scene design, including drafting, rendering, working drawings and set models. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 353. Assistant Design Practicum 1 Unit Term Typically Offered: Fall, Spring Description: Application of technical theatre design practices in mainstage productions of UofL Theatre Arts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 340. Introduction to Scene Design 3 Units Term Typically Offered: Spring Only Prerequisite(s): TA 240 or faculty consent. Description: Techniques of scene design, including drafting, rendering, working drawings and set models. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 354. Theatre Design Practicum 2 Units Term Typically Offered: Fall, Spring Description: Application of technical theatre design practices in mainstage productions of UofL Theatre Arts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

TA 357. Introduction to Hip-Hop Theatre - AH, D1, WR 3 Units**Term Typically Offered:** Fall, Summer**Description:** Exploration of contemporary hip-hop theatre and forerunners of hip-hop culture and art—including its relationship to African-American, American multicultural postmodern styles—through discussion, reading and performance exercises.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 360. Theatre History & Script Analysis I: Classical-Medieval - WR 3 Units****Term Typically Offered:** Occasionally Offered**Prerequisite(s):** ENGL 102 or ENGL 105 or equivalent.**Description:** The development of theatre and drama from ancient Greece to the age of Shakespeare.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 361. Theatre History & Script Analysis II: Renaissance-Romantic - WR 3 Units****Term Typically Offered:** Spring Odd Years**Prerequisite(s):** TA 360 or TA 362.**Description:** The development of theatre and drama from the Italian Renaissance to the rise of Realism.**Note:** Approved for the Arts and Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 362. Theatre History & Script Analysis III: Modern & Contemporary - WR 3 Units****Term Typically Offered:** Fall Only**Prerequisite(s):** ENGL 102, ENGL 105 or equivalent.**Description:** TA 362 is the third of a three-course sequence that offers a formal introduction to theatre history and dramatic literature and instills various methods of script analysis. This course will examine the development of Western drama, dramatic and aesthetic conventions, and theatrical practices from the modern to the postmodern period. Concentrating on theatre's intellectual, social, political, and artistic foundations, this course is designed to engage with dramatic literature and theory, dramaturgical methods, and theatrical practices from their historical, theatrical, social, and cultural contexts.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 363. African-American Women in Theatre - AH, D1, WR 3 Units****Term Typically Offered:** Occasionally Offered**Description:** This course will explore the theatrical representation of African-American women through the lens of African-American playwrights, designers and theoreticians. Course content will focus on the works of African-American women playwrights, designers and theoreticians and encourage critical discourse on the material covered. Assignments and activities will include script analyses, discussion board posts, research papers, and quizzes. Assignments are designed to strengthen critical thinking skills, encourage perspective broadening dialogue and research, and enhance your understanding of the experience of the African diaspora. (Humanities)**Note:** Approved for the Arts & Sciences upper-level requirement in written communication (WR).**Note:** Cross-listed with PAS 350 and WGST 380.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 365. Theatre of the African World - AH, D2 3 Units****Term Typically Offered:** Spring Odd Years**Description:** This course is a cross-cultural examination of theatre and performance modes of select cultural and ethnic groups within Africa and the African Diaspora. The material will focus on performance and dramatic scripts by artists from West and South Africa, East Africa, the Caribbean, and the United States. We will investigate the distinctions in the manifestations of "theatre," "drama," and "performance" in Africa and the African Diaspora by means of lectures, play readings, written responses, in-depth discussions, video screenings, student projects, and presentations. (Humanities)**Note:** Cross-listed with PAS 315.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 366. History of the African-American Theatre - AH, D1, WR 3 Units****Term Typically Offered:** Fall Only**Description:** This course will introduce students to the historical, political, and cultural milieu experienced by African Americans and their impact on theatrical expression in theatre and performance.**Note:** Cross-listed with PAS 356.**Note:** Approved for the Arts & Sciences upper-level requirement in written communication (WR).For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)**TA 367. Black Dramatic Literature - AH, D1 3 Units****Term Typically Offered:** Occasionally Offered**Description:** The primary goal of this course is to accomplish in-depth analyses of selected plays by black dramatists.**Note:** Cross-listed with PAS 367.For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>TA 380. Introduction to Voice & Movement 3 Units Term Typically Offered: Fall Odd Years Description: This course is an introduction to voice and movement for the stage and performance. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 450. Theatre Apprenticeship 6 Units Grading Basis: Pass/Fail Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Approval of department and selection by a theatre company. Description: Apprenticeship in professional or nonprofessional theatre. Note: Pass-fail. Note: Only 6 additional credits may be scheduled during the semester of apprenticeship.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 420. Acting III 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): TA 321 or equivalent, and permission of instructor. Description: Scene study with an emphasis on world drama, period drama, and non-realistic styles. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 451. Cooperative Internship in Theatre Arts 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Completion of at least 30 hours and GPA of at least 3.0. Description: An individually-arranged course for applying theatre or speech skills to work experience. Note: May count as an elective toward a major in Theatre Arts.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 421. Acting IV 3 Units Term Typically Offered: Fall Odd Years Prerequisite(s): TA 420 or equivalent, and permission of instructor. Description: Scene study with an emphasis on expanding character range and on modern and early modern plays. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 455. Independent Study 1-3 Units Term Typically Offered: Fall, Spring, Summer Prerequisite(s): Minimum grade point average of 3.0 overall; minimum grade point average of 3.5 in the department, and at least 18 semester hours credit in the department. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 423. Directing the Black Experience 3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): TA 330 and permission of instructor. Description: Fundamentals of staging plays by dramatists of African descent from an Afrocentric perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 460. Black Diasporic Conversations Seminar 1 Unit Grading Basis: Pass/Fail Term Typically Offered: Spring Only Description: This course will survey the work of African-American artists from the nineteenth century to present. Lectures will discuss the mapping of global blackness in contemporary black performance. We will consider the ways in which artists and scholars have worked to illuminate and complicate performances of blackness by artists of the African diasporic performing arts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 430. Costume Craft 3 Units Prerequisite(s): Consent of instructor. Description: Hands-on training in techniques for constructing costumes, millinery and costume accessories. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 481. Voice for the Actor 3 Units Term Typically Offered: Fall Only Description: This is a course in voice for the actor. The focus will be on the connection between body, breath, and voice, including an understanding of the basic principles of the Alexander Technique, an understanding of body, breath, and vocal anatomy/articulators, and exploration on the pedagogy of voice. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 433. Fundamentals of Stage & Production Management 3 Units Term Typically Offered: Fall, Spring Description: Fundamental understanding of theatrical management structure & hierarchy. Defining the roles of Production Manager and Stage Manager in the production process. Practical application within the production process. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 484. Voice 3 Units Term Typically Offered: Fall Even Years Description: This is a course in the international Phonetic Alphabet (IPA), Dialects and Accents for the stage. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 440. Digital Design 3 Units Term Typically Offered: Fall Even Years Description: Digital Design - immersive class in the digital tools of design: Photography, Photoshop, After Effects, QLab and Projection, 3D Drafting (Vectorworks and Sketchup) and 3D Printing. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	

<p>TA 491. Performance Concepts 3 Units Term Typically Offered: Fall Only Description: The student will become familiar with advanced study of the Uta Hagen, Sanford Meisner, and Michael Chekhov acting techniques. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 524. Stage Speech II 3 Units Prerequisite(s): Consent of instructor. Description: Development of voice production and articulation for the stage. Note: One section each semester.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 492. Individuality in Character Building 3 Units Term Typically Offered: Spring Only Prerequisite(s): TA 321. Description: The purpose of the course is to enable the students to begin to explore fundamental techniques in exploring how the imaginative process aids in developing character from the outside in. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 525. Advanced Studies in Acting 1-3 Units Prerequisite(s): Consent of instructor. Description: Group studies in specialized areas of actor training. Two-to-six hours of laboratory work, as announced in Schedule of Courses. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 520. Acting Workshop 3 Units Prerequisite(s): Departmental consent. Description: Practical problems in the art of acting approached in a laboratory setting. Note: Meets with TA 530. Note: May be repeated.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 526. Tools for a Global Theatre 3 Units Prerequisite(s): Permission of instructor. Description: Cultural issues, perspectives, and approaches to theatre in various parts of the world will be addressed using both classical and contemporary texts. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 521. Stage Movement I 3 Units Prerequisite(s): Consent of instructor. Description: Development of physical expressiveness and agility for the stage. Note: One section each semester.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 529. Actors Theatre of Louisville Workshop 3 Units Prerequisite(s): Senior standing or faculty consent. Description: Organization of commercial theatre, auditioning techniques, and employment possibilities. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 522. Stage Movement II 3 Units Prerequisite(s): Consent of instructor. Description: Development of physical expressiveness and agility for the stage. Note: One section each semester.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 530. Directing Workshop 3 Units Prerequisite(s): permission of instructor. Description: Practical problems in the art of directing approached in a laboratory setting. Note: Meets with TA 520.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 523. Stage Speech I 3 Units Prerequisite(s): Consent of instructor. Description: Development of voice production and articulation for the stage. Note: One section each semester.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 532. Advanced Directing the Black Experience 3 Units Prerequisite(s): Permission of instructor. Description: Advanced techniques for staging plays from an African-centered perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 523. Stage Speech I 3 Units Prerequisite(s): Consent of instructor. Description: Development of voice production and articulation for the stage. Note: One section each semester.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 533. Stage Management 3 Units Prerequisite(s): Consent of instructor. Description: Techniques of production management during audition, rehearsal, and performance. Practical project required. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

<p>TA 540. Problems in Technical Theatre 3 Units Prerequisite(s): TA 241. Description: Topics vary by semester, but may include: a) Welding, b) Sound Design, c) Technical Direction, and/or d) Special Topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 550. Culminating Undergraduate Experience Practicum - CUE 3 Units Prerequisite(s): 90 credit hours. Description: The Theatre Arts CUE course is an independent project that demonstrates the student's ability to conceptualize, analyze, communicate and direct, design, perform, manage or otherwise take a leadership role in a work for the stage. Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.</p>
<p>TA 541. Topics: Scene Design 3 Units Prerequisite(s): TA 340. Description: Topics vary by semester, but may include: a) Scene Design, b) Advanced Scene Design, c) Design for the Camera, d) Design for Lyric Theatre, and/or e) Special Topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 543. Scenographic Techniques 3 Units Prerequisite(s): TA 340. Description: Topics vary by semester, but may include: a) CAD for Stage Design, b) Sketching and Rendering - Scenery, c) Scene Painting, and/or d) Special Topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 555. Special Topics in Theatre 1-3 Units Term Typically Offered: Occasionally Offered Prerequisite(s): Consent of instructor. Description: Advanced study of specific areas of theatre arts. Note: May be repeated.</p>
<p>TA 545. Topics: Costume Design 3 Units Prerequisite(s): TA 345. Description: Topics vary by semester, but may include: a) Advanced Costume Design, b) Costume History, c) Costume Construction, d) Sewing Techniques, e) Sketching and Rendering - Costumes, and/or f) Special Topics. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>
<p>TA 546. Portfolio Design 1 Unit Term Typically Offered: Spring Odd Years Description: The course is designed for the student interested in developing a portfolio for a career in the arts. As part of this course, you will create a theatrical resume, a digital or physical portfolio, and a website to display work, resume, and contact information. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>TA 557. Advanced Hip-Hop Theatre 3 Units Description: Advanced exploration of hip-hop theatre and forerunners of hip-hop culture and art—including its relationship to African-American, American multicultural and postmodern styles—through discussion, reading, research and performance exercises. Note: Undergraduate credit may not be earned for both this course and TA 357.</p>
<p>TA 547. Advanced Black Aesthetic on Stage 3 Units Prerequisite(s): Permission of instructor. Description: Exploration of scenic, costume, lighting, and sound design from an Afrocentric perspective. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>TA 560. Directed Study in Theatre History 3 Units Prerequisite(s): Consent of instructor. Description: Survey of theatre history and literature, supplemented with directed reading of secondary sources. Note: Meets with TA 360-TA 361.</p>
<p>TA 549. Topics: Lighting Design 3 Units Prerequisite(s): TA 349. Description: Topics vary by semester, but may include: a) Lighting Design, b) Advanced Lighting Design, and/or c) Special Topics For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p> <p>TA 562. Advanced Black Dramatic Literature 3 Units Prerequisite(s): Permission of instructor. Description: An examination of the drama of selected African-descended writers whose work stands out as exceptional in the realm of dramatic literature. The material will be explored by means of lectures, play readings, written responses, in-depth discussion, videos, student projects and presentations. For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>

TA 563. Advanced African-American Women in Theatre 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of instructor.

Description: Examines the full range of African-American women working in theatre including playwrights, performers, designers, theorists, academics, and directors. Includes examination of plays by women of African descent.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 565. Advanced Theatre of the African World 3 Units

Prerequisite(s): Permission of Instructor.

Description: Cross-cultural examination of the drama of the African-descended playwrights in the African Diaspora.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 566. Advanced History of African-American Theatre 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Permission of instructor.

Description: Survey of African-American Theatre from 1820 to the present, its relationship to sociopolitical issues in America and its relationship to mainstream American theatre.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 567. Asian Theatre 3 Units

Prerequisite(s): Graduate standing or permission of instructor.

Description: The theatre and drama of Japan, China, and other Asian nations.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

TA 571. Playscript Interpretation - WR 3 Units

Prerequisite(s): Permission of instructor.

Description: Advanced techniques of play analysis, emphasizing the theatre artist's response to text.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

Women's, Gender and Sexuality Studies (WGST)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>).

500-level courses generally are included in both the undergraduate- and graduate-level course listings; however, specific course/section offerings may vary between semesters. Students are responsible for ensuring that they enroll in courses that are applicable to their particular academic programs.

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee>).

WGST 199. Writing in Women's, Gender and Sexuality Studies - WC 3 Units

Term Typically Offered: Fall Only

Prerequisite(s): ENGL 101.

Description: Intermediate college writing course based on the subject and methodology of women's, gender and sexuality studies.

Note: Credit may not be earned for this course and ENGL 102.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 201. Women In American Culture - D1, SB 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Examination of women's experiences in 19th- and 20th-century America, focusing on issues pertaining to family, religion, economy, politics, law, race and class. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 202. Seeing Gender: Introduction to Gender in Visual Studies - AH, D1 3 Units

Term Typically Offered: Fall, Spring

Description: This course introduces students to the disciplines of Visual Studies and Women's, Gender and Sexuality Studies. It explores the many ways in which these fields intersect through a consideration of two primary, related concepts: the social construction of vision and its inverse, the visual construction of the social. The first highlights how humans are conditioned to see the way they do because they are social animals. The latter underscores the fact that it is equally true that social arrangements, such as gender and race, take the forms that they do because humans are seeing animals. This framework allows students to critically engage some of the central questions that have shaped both Visual Studies and Women's, Gender and Sexuality Studies. How does seeing impose itself upon the social construction of gender and other forms of identity, such as racial and sexual identity? What is the relationship between images and words, and how does that relationship affect the politics of how images are used? What are the mechanisms by which vision and visual images become gendered or racialized? Why is visual experience so fraught with anxiety and fantasy? How do visual encounters with other people (and with images and objects) inform the construction of social life as gendered and racialized?

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 203. Gender Issues in Public Dialogue - D1, OC 3 Units

Term Typically Offered: Fall, Spring

Description: This course familiarizes students with ways gender issues have been represented in public dialogue. Students analyze speech, acts, and writing that affect public perceptions of gender and practice public speaking on gender issues. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 207. Introduction to Philosophy through Cultural Diversity - AH, D2 3 Units

Term Typically Offered: Fall, Spring

Description: Survey of historical canonical contributions to western philosophy juxtaposed with minority voices to understand how social, economic, and cultural situatedness affect bodies of knowledge.

Note: Cross-listed with PHIL 207 and PAS 207.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 300. Sex, Gender, and Culture 3 Units

Term Typically Offered: Fall Even Years

Prerequisite(s): ANTH 201 or SOC 201 or SOC 202 or any WGST course.

Description: A cross-cultural examination of the interrelationship between biological sex, socially-constructed gender norms, sexuality, and culture. Topics include feminist/gender theory, masculinity, femininity, hermaphroditism, hetero-normative sexuality and homosexuality with emphasis on non-US cultures. (Social Sciences)

Note: Cross-listed with ANTH 309.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 301. Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies 3 Units

Term Typically Offered: Spring Only

Description: Course focuses on defining the field of LGBTQ studies, examining the historical and social contexts of LGBTQ communities as well as the personal, cultural, and political aspects of LGBTQ life. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 303. Humanities and Gender - AH, D2 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Analysis of sex roles as embodied in classic works of philosophy, literature, drama, and art in ancient, medieval, modern and contemporary times. (Humanities)

Note: Cross-listed with HUM 331.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 312. Sociology of Women's Health 3 Units

Term Typically Offered: Occasionally Offered

Description: Introduces key theoretical and substantive issues in the sociology of women's health and healing. Draws from feminist theories and their intersections with critical perspectives on gender, race/ethnicity, social structure, power, science and medicine. Attention to social and cultural factors in the U.S. and abroad. (Social Sciences)

Note: Cross-listed with SOC 343.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 313. Sociology of Gender 3 Units

Term Typically Offered: Fall, Spring

Description: Examines the differential status of women and men in all major social institutions and explores the structural foundations and theoretical explanations of gender inequality. (Social Sciences)

Note: Cross-listed with SOC 327.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 316. Gender, Sexuality & Law 3 Units

Prerequisite(s): POLS 201 or instructor consent.

Description: This course examines how legal policy both reflects and shapes norms related to gender and sexuality, and analyzes the public policy implications of court decisions related to gender and sexuality.

Note: Cross-listed with POLS 316.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 320. Women in Music: A History - AH, D1 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Addresses the historical and social contexts and social constructions of gender related to women and music, as well as the portrayal of women in musical works. Includes focus on Western art music as well as various genres of popular music.

Note: Cross-listed with MUH 320.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 323. Queer Politics 3 Units

Term Typically Offered: Spring Only

Description: The course examines the political organization of gays, lesbians, and transgendered persons, forms of oppression they experience, forms of political activism they utilize, and their relationship to mainstream political institutions. (Social Sciences)

Note: Cross-listed with POLS 323.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 324. Communication and Gender 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: The course examines how gender identities, roles and norms have been structured within different modes of communication (e.g. interpersonal, mass media and institutional). (Social Sciences)

Note: Cross-listed with COMM 324.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

- WGST 325. Women and Global Literature - AH, D2** 3 Units
Term Typically Offered: Fall, Spring, Summer
Prerequisite(s): ENGL 102 or ENGL 105 or WGST 199 or equivalents.
Description: This course examines literatures by women writers and about women subjects from non-U.S. societies, exploring a variety of literary forms in relationship to social factors such as class, race, ethnicity, religion, sexuality and/or indigeneity.
Note: Cross-listed with ENGL 373.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 326. Gender and Children's Literature - AH, D1** 3 Units
Term Typically Offered: Fall Only
Prerequisite(s): ENGL 102 or ENGL 105 or WGST 199 or equivalents.
Description: Examination of gender in British and North American literature for children/young adults from the late 19th century to the present with attention to the intersection of gender with common themes (e.g., heroic journey). Historical period: Post-1900. (Humanities)
Note: Cross-listed with ENGL 374.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 331. The History of Women, 1700 to the Present** 3 Units
Term Typically Offered: Fall Only
Description: A comparative treatment of women's changing status, including material from European and American history. (Social Sciences)
Note: Junior standing recommended.
Note: Credit may not be received for this course and HIST 324.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 332. History of Childhood in America - D1, SBH, WR** 3 Units
Term Typically Offered: Fall, Summer
Description: An analysis of the impact of socioeconomic and ideological change in the experience of children and youth from the colonial period to the present, with attention to the effects of race, class, and gender on childhood experience. (Social Sciences)
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
Note: Credit may not be earned for this course and HIST 326.
Note: Cross-listed with HIST 326.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 333. Women in Latin American History** 3 Units
Term Typically Offered: Occasionally Offered
Prerequisite(s): HIST 331 or HIST 332 recommended.
Description: Examines the history of women and gender in Latin America, with an emphasis on women's political participation. (Social Sciences)
Note: Credit may not be earned for this course and HIST 333.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 337. Motherhood and the Law** 3 Units
Term Typically Offered: Occasionally Offered
Description: Motherhood and the Law will examine the various ways the legal system impacts and regulates mothers. Students will critically analyze the effect court decisions and laws have on mothers using an intersectional approach (as developed by Kimberle Crenshaw). The course begins with setting a theoretical framework - built on both theories of motherhood and legal analysis - and from there will study the interplay between the law and motherhood, from reproductive rights through raising their children. This course is designed to give students an understanding of how the justice system impacts mothers' lives, maintains systems of inequality, and regulates their bodies.
Note: Crosslisted with SOC 337.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 339. Black Women and the Criminology System** 3 Units
Term Typically Offered: Occasionally Offered
Description: This course will examine the various ways the legal system impacts and regulates Black women. Students will critically analyze the effect court decisions and laws have on Black women using an intersectional approach of race, gender, economic class, differently abled bodies, sexual orientation, religion, and nationality. Students will first study legal standards and terminology as well as race and gender theory to develop a solid foundation on which to examine case law, constitutional standards and current events. This course is designed to give students an understanding of how the justice system impacts Black women's lives, maintains systems of inequality, and regulates their bodies. We will look at women lead the criminal justice reform movement both within and outside of the legal system.
Note: Cross-listed with SOC 339 and PAS 339.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 340. Women and Religion - AH, D2** 3 Units
Term Typically Offered: Fall Odd Years
Description: An historical survey of the relationship between the social-cultural roles of women and their representation in world religions.
Note: Cross-listed with HUM 340.
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)
- WGST 342. Black Women Novelists - AH, D2, WR** 3 Units
Term Typically Offered: Occasionally Offered
Description: Selected novels by contemporary African, African-American and Caribbean women writers, in-depth and in-comparative study. Historical period: Post-1900. (Humanities)
Note: Cross-listed with PAS 342 and ENGL 342.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).
- For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 343. Faces of Global Poverty - WR 3 Units

Term Typically Offered: Occasionally Offered
Description: Persistent poverty in the Third World and specific groups in the United States. Focuses on causes, consequences, solutions and survival strategies. (Social Sciences)
Note: Cross-listed with PAS 392 and SOC 392.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 344. Black Lesbian Lives 3 Units

Term Typically Offered: Occasionally Offered
Description: Course focuses on black, lesbian-identified people cross-culturally, examining autobiographical accounts and visual culture within the context of LGBTQ politics and discourse. (Social Sciences).
Note: Cross-listed with PAS 344.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 346. Women in Africa: Historical and Literary Perspectives 3 Units

Description: Survey of the role of women in historical African societies, women under colonialism, in nationalist movements, and in modern African countries. Literature about and by women will be considered. Emphasis on African/female perspective. (Humanities)
Note: A prior course in PAS or WGST is recommended.
Note: Cross-listed with PAS 385.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 347. Racism and Sexism - D1, SB 3 Units

Term Typically Offered: Summer Only
Description: The impact of racism and sexism on marginally-oppressed communities as well as their strategies of resistance. (Social Sciences)
Note: Cross-listed with PAS 364.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 348. African-American Women - WR 3 Units

Term Typically Offered: Occasionally Offered
Description: Examination of the status and roles of African-American women from the slave era to contemporary times. Emphasis on migration, urbanization and labor force participation in familial contexts. (Social Sciences)
Note: Cross-listed with PAS 332.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 349. Color Complex of Black Women 3 Units

Term Typically Offered: Fall Even Years
Description: Study of phenotypes, body image, inter-/intra-gender relationships, media influences, and social norms, from slavery to present, on the development of black female identities, using theories in psychology, sociology, and deconstruction. (Social Sciences)
Note: Cross-listed with PAS 331.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 355. Women in American Politics 3 Units

Term Typically Offered: Spring, Summer
Description: A study of women's involvement in American politics as active political party members, as candidates for national, state, and local office, as elected officials, and as appointees to government positions at all levels. (Social Sciences)
Note: Cross-listed with POLS 324.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 360. Philosophy and Feminism - AH, D1 3 Units

Term Typically Offered: Fall, Spring
Description: An examination of philosophical issues involved in feminism, including classical, but emphasizing contemporary discussions.
Note: Cross-listed with PHIL 318.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 364. Women's Health Issues - D1, SB 3 Units

Term Typically Offered: Fall, Spring
Description: This course will identify a broad range of health issues that can be unique to women or of special importance to women throughout the world. The course will examine the roles women play as both providers and consumers of health care nationally and internationally. (Social Sciences)
Note: Cross-listed with HSS 364.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 373. Women Writers and Filmmakers - WR 3 Units

Description: Explores issues relating to women's lives in their cinematic and fictional texts from 1970's until today; emphasis on foreign language films. Texts are read in English translation; films are either subtitled or dubbed (Humanities).
Note: Cross-listed with M L 365.
Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 375. LGBTQ Literature in the United States - AH, D1 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): ENGL 102 or ENGL 105 or WGST 199 or equivalent.

Description: This course examines LGBTQ literature by U.S. writers and explores the portrayal of LGBTQ identities through a variety of literary forms and in relationship to social factors such as class, race, ethnicity, and/or location.

Note: Cross-listed with ENGL 375.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 380. African-American Women in Theatre - AH, D1, WR 3 Units

Term Typically Offered: Occasionally Offered

Description: This course will explore the theatrical representation of African American women through the lens of African American playwrights, designers and theoreticians. Course content will focus on the works of African American women playwrights, designers and theoreticians and encourage critical discourse on the material covered. Assignments and activities will include Script Analysis, Discussion Board posts, Research Papers, and Quizzes. Assignments are designed to strengthen critical thinking skills, encourage perspective broadening dialogue and research, and enhance your understanding of the experience of the African Diaspora. (Humanities)

Note: Cross-listed with PAS 350 and TA 363.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 390. Topics in Women's, Gender and Sexuality Studies: Humanities 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, humanities perspective. Topics announced in Schedule of Classes. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 391. Topics in Women's, Gender and Sexuality Studies: Social Sciences 3 Units

Term Typically Offered: Fall, Spring

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective. Topics announced in Schedule of Courses. (Social Science)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 392. Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR 3 Units

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective. Topics announced in the Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 393. Topics in Women's, Gender and Sexuality Studies: Humanities - WR 3 Units

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, humanities perspective. Topics announced in the Schedule of Courses. (Humanities)

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 394. Lectures in Women's, Gender and Sexuality Studies 1-3 Units

Term Typically Offered: Occasionally Offered

Description: A series of three or four public lectures in Women's, Gender and Sexuality Studies - with preparatory reading, a short writing assignment and post-lecture discussion for each lecture. Students will meet in a seminar to receive assignments and discuss the lectures. (Social Sciences)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 395. Women, Media and Culture - AH, D1 3 Units

Term Typically Offered: Fall, Spring

Description: The purpose of this course is to learn to evaluate critically how mass media communicates cultural understandings about gender, race, class and sexuality. We will consider the role of media images in supporting the social, political and economic status quo, as well as the ways media audiences consume, negotiate, and resist media messages. In addition, we will consider how changing technical, economic, and political contexts influence media representations. Through screenings, readings, discussions and writing exercises you will gain practical experience in media literacy and criticism.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 401. Community Internship 3 Units

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): 18 hours of WGST courses; for Women's, Gender and Sexuality Studies majors only.

Description: Working with a Women's, Gender and Sexuality faculty member, the student will design a project based on volunteer work in a community organization related to WGST.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 410. Black Feminism in Action 3 Units

Term Typically Offered: Fall Only

Description: The course examines the evolution of Black Feminist consciousness in the U.S. from the 1830s to the present. (Social Sciences)

Note: Cross-listed with PAS 410.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

<p>WGST 411. Psychology of Women Term Typically Offered: Spring Only Prerequisite(s): PSYC 201. Description: Analysis of scientific research and theory related to the psychology of women. Multiple theoretical perspectives will be considered (e.g., psychodynamic, social learning, cognitive, evolutionary, developmental). Specific topics evaluated will include: identity development, achievement, motherhood, work, family, aging, and menopause. Ethnicity, culture, and social class will be considered in the context of specific topics. (Social Sciences) Note: Cross-listed with PSYC 466.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>WGST 417. Reproductive Justice Term Typically Offered: Occasionally Offered Description: In this course Reproductive Justice and the Law, we will examine how the legal system impacts reproductive justice. We will break down the term reproductive justice and how it differs from reproductive rights. We will discuss the complex political, social, religious, and cultural dynamics that make reproductive justice one of the most controversial, and pressing, issues of our time. (Social Science) Note: Cross-listed with SOC 417.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>WGST 414. Gender and Work Term Typically Offered: Occasionally Offered Prerequisite(s): SOC 201 and SOC 320; or 9 hours at 300+ level in one social science; or consent of instructor. Description: The structural position of gender in the workplace; examination of changes, current trends, and difference in gender socialization of work. (Social Sciences) Note: Cross-listed with SOC 456.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>WGST 418. Domestic Violence Term Typically Offered: Occasionally Offered Description: Our course on Domestic Violence will examine the ways the legal system shapes and enforces domestic violence law. We will examine the jurisprudence behind criminal law in general and legal foundation of domestic violence laws in particular. We will examine not only the history of domestic violence, but also the human element, studying the role of individual discretion and how neuroscience illuminates why outcomes for individuals can vary so greatly within the same legal system. We will study specific laws (e.g., mandatory arrest) and we will apply an intersectional lens to all topics discussed. This class ultimately asks if the legal system is even capable of addressing the social harm of domestic violence, and if that answer is yes, how this is to be accomplished. (Social Science) Note: Cross-listed with SOC 418.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>WGST 415. Sociology of Disabilities Prerequisite(s): 9 hours at 300+ level in one social science; or consent of instructor. Description: Sociological perspectives on medicine, culture, and science are used to examine the meanings, experiences, demographics and impacts of disability in historical and contemporary social contacts. (Social Sciences) Note: Cross-listed with SOC 442.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>WGST 458. Women: International Perspective Prerequisite(s): SOC 201 and SOC 327; or 9 hours at 300+ level in one social science; or consent of instructor. Description: Examination of major social concerns of women around the world, such as issues related to labor and slavery, sex trafficking, religion, media representation, health, education, political involvement, and violence against women. Note: Cross-listed with SOC 458.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>
<p>WGST 416. Sexual Assault and the Legal System Term Typically Offered: Occasionally Offered Description: Sexual Assault and the Legal System is designed to give students an understanding of how rape culture impacts the justice system, and vice versa. Students will critically analyze the effect stories about sexual assault have on the legal system using an intersectional approach of race, gender, economic class, differently abled bodies, sexual orientation, religion, and nationality. Students will first study legal standards and terminology as well as critical race and feminist theory to develop a solid foundation on which to examine case law, constitutional standards and current events. (Social Science) Note: Cross-listed with SOC 416.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>	<p>WGST 460. Gender in the Middle East Term Typically Offered: Occasionally Offered Prerequisite(s): SOC 201 and SOC 327; or 9 hours at 300+ level in one social science; or consent of instructor. Description: This course examines the ways in which gender shapes and is shaped by social, political, economic, and cultural processes in the Middle East. Note: Cross-listed with SOC 460.</p> <p>For class offerings for a specific term, refer to the Schedule of Classes (http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm)</p>	<p>3 Units</p>

WGST 490. Topics in Women's, Gender and Sexuality Studies: Humanities 3 Units

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, humanities perspective. Topics announced in the schedule of courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 491. Topics in Women's, Gender and Sexuality Studies: Social Sciences 3 Units

Term Typically Offered: Fall, Spring, Summer

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective. Topics are announced in the Schedule of Classes. (Social Science)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 492. Topics in Women's, Gender and Sexuality Studies: Social Sciences 3 Units

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 493. Topics in Women's, Gender and Sexuality Studies: Humanities - WR 3 Units

Description: Focuses on a specific topic related to women, gender or sexuality from an interdisciplinary, humanities perspective.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 498. Senior Honors Thesis: Social Sciences - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Restricted to Women's, Gender and Sexuality Studies majors and minors who have been admitted to departmental or college honors; permission of instructor required.

Description: An intensive examination from a social sciences perspective of a topical area in women's, gender or sexuality studies undertaken with a designated faculty advisor.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 499. Senior Honors Thesis: Humanities - WR 3 Units

Term Typically Offered: Fall, Spring

Prerequisite(s): Restricted to Women's, Gender and Sexuality Studies majors and minors who have been admitted to departmental or college honors; permission of instructor required.

Description: An intensive examination from a humanities perspective of a topical area in women's, gender or sexuality studies, undertaken with a designated faculty advisor.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 500. Senior Seminar in Women's, Gender and Sexuality Studies: Social Sciences - CUE, WR 3 Units

Term Typically Offered: Occasionally Offered

Prerequisite(s): Senior standing or consent of instructor.

Description: This course is designed to deepen students' understanding of the evolution of interdisciplinary research of gender and its intersection with other structures of power and privilege. Students will investigate and critique the politics of issue-framing, question-formation, and rules of evidence that shape knowledge-production about gender and power. Students will apply gender-informed analyses to the hierarchies of difference structuring contemporary society. This course will help students become skilled analysts of the nuanced complexities of social change in diverse fields such as medicine, government, media, non-profit organizations, law, and education.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Course Attribute(s): CUE - This course fulfills the Culminating Undergraduate Experience (CUE) requirement for certain degree programs. CUE courses are advanced-level courses intended for majors with at least 90 earned credits/senior-level status.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 508. Queer Performance **3 Units**

Term Typically Offered: Occasionally Offered

Description: What constitutes queer performance? Is queer who you are or what you do? Is sexuality all we mean by queer? What are the historical, aesthetic, and political aspects of queer performance? Integral to our theoretical discussions will be questions of practice and production: Where is queer performance staged and how is it received? How is it produced, for whom, by whom, and with what funds? Is queer inherently or even necessarily radical? Within rigid Western notions of gender, the "Queer Performer," is a gender outlaw; an individual who pushed at the edges of gender, forcing us to recognize that gender has little to do with our biological sex. Their performances of their gender(s), race(s), and/or sexuality(ies) challenges our prevailing notions of what it means to be Queer and what it means to perform identity. This course will examine the artistic and aesthetic performances of various Queer Performers to foster an understanding and appreciation of the rich diversity of the forms of performance styles and practitioners that might be called "lesbian," "gay," "transgender," and "queer," among others. Secondly, it will motivate students to examine the broad social, political, religious, and cultural contexts in which queer performance takes place. Lastly, this course will allow students to contemplate what it means to be a spectator of performance through a queer perspective, regardless of one's identity, or sexual orientation.

Note: Cross-listed with WGST 608 and HUM 608.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 509. Women and Medicine **3 Units**

Term Typically Offered: Occasionally Offered

Description: In this course we will focus on women and medicine in the United States from the early 19th century to the 21st century. We will be concerned with women as patients, caretakers, and practitioners, and the sexual and racial politics of health care.

Note: Cross-listed with HIST 509.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 512. Gender, Race, Work, and Welfare **3 Units**

Prerequisite(s): 9 hours of social sciences course work at the 300-level or above; or consent of instructor.

Description: Introduction to theory and research on labor market and welfare state with focus on gender and race/ethnicity as they influence women's experiences of and ideas about work and welfare. (Social Sciences)

Note: Cross-listed with PAS 512 and SOC 512.

Note: Credit may not be earned for both WGST 512 / PAS 512 / SOC 512 and WGST 612 / PAS 612 / SOC 612.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 513. U.S. Social Justice Movements **3 Units**

Prerequisite(s): Junior-level standing.

Description: Course will begin with abolitionism, then concentrate on social justice upsurges of the 20th century, with emphasis on women in the civil rights and Black liberation movements. (Social Sciences)

Note: Cross-listed with HIST 513, PAS 513, SCHG 513.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 520. Women's Personal Narratives **3 Units**

Prerequisite(s): ENGL 102 or ENGL 105 or WGST 199; Junior standing.

Description: Course examines issues such as race, class, religion, geography, and sexual orientation surrounding the writing/reading of women's personal narratives (e.g., diaries, letters, autobiographies, oral histories, biographies, and films) from the 19th and 20th centuries. (Humanities)

Note: Cross-listed with ENGL 554.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 522. The Body in Popular Media - WR **3 Units**

Term Typically Offered: Occasionally Offered

Prerequisite(s): One WGST course or permission of instructor.

Description: Examines the relationship between culture and the body, focusing on how Western philosophy, as well as gender, race and class, have constructed popular images of and attitudes toward the body. (Humanities)

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both WGST 522 (does not carry graduate credit) and WGST 622.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 523. Gender and Popular Music - WR **3 Units**

Description: Course explores the way gender structures the production, distribution, and consumption of popular music, including variety of genres in the past and present, with attention to the intersectional roles of race, class, and sexuality. (Humanities).

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 525. Art and Trauma 3 Units

Prerequisite(s): ARTH 270 and ARTH 325, or permission of instructor.

Description: Representations of Trauma in the Visual Arts is an advanced exploratory seminar examining the changing relationships between trauma and its representation in the twentieth century. Beginning with the Holocaust, the course charts a trajectory from this most profound of collective traumas, to the refinement of clinical definitions of trauma (e.g., PTSD) in the wake of the Vietnam War, the development of trauma studies in the humanities in the 1990s, to the recent "pictorial turn" within scholarship on trauma. This historical framework will be brought to bear upon the dynamics of how trauma and visibility have been approached by scientists, scholars, and artists. Each week's reading and viewing materials will offer students an example of historical or clinical account of trauma, a secondary or applied analysis, and its artist's original work that responds to the particular traumatic event under consideration.

In this regard, students will be encouraged to negotiate the discursive relationships between history, theory, and practice.

Note: Cross-listed with ARTH 525.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 530. Feminism in Western Civilization, 1790-1920 - WR 3 Units

Description: Comparative analysis of feminist movements in the United States, Britain, and Europe, stressing intellectual background, social composition, goals and political strategies. (Social Sciences)

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be received for WGST 530 or HIST 588 and WGST 630.

Note: Junior-standing recommended.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 531. Women in the Twentieth Century in Europe and the U.S. - WR 3 Units

Prerequisite(s): Junior standing.

Description: The history of women in Western society, including Europe and the U.S. in the twentieth century. Includes political, economic, social, and cultural developments. (Social Sciences)

Note: Cross-listed with HIST 583.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for WGST 531/HIST 583 and WGST 631.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 532. History of American Sexualities - WR 3 Units

Prerequisite(s): Junior standing.

Description: The course focuses on sexual behaviors and meanings in America from the colonial period to the late twentieth century and how sexual meanings impact people's identities, choices, and social positions. The course also concerns the interaction of gender, race, and class. (Social Sciences)

Note: HIST 211 and HIST 212 is recommended.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for this course and HIST 589.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 533. Women in 19th-Century America - WR 3 Units

Prerequisite(s): ENGL 102 or ENGL 105, or the equivalent.

Description: Course focuses on material conditions, ideologies, and knowledge-systems that shaped American women's lives in the 19th century, with attention to race, class, and regional differences. (Social Sciences)

Note: Cross-listed with HIST 506.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both HIST 506 / WGST 533 and WGST 633.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 538. Woman and Sport 3 Units

Term Typically Offered: Occasionally Offered

Description: An effort to understand the role of the American woman in sport. Studies concepts about women, sport, and society in contemporary and historical perspectives. (Social Sciences)

Note: Cross-listed with SPAD 529.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 540. Women's Health in Africa - WR 3 Units

Prerequisite(s): Senior standing.

Description: Examination of population growth, early marriage, family size and cultural and religious beliefs on reproductive health of contemporary African women. (Social Sciences)

Note: Cross-listed with PAS 562.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both WGST 540/PAS 562 and WGST 640/PAS 662.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 543. Black Women's Voices - WR 3 Units

Prerequisite(s): At least 6 credit hours in Social Science or Humanities or consent of faculty.

Description: Global synopsis of black women's studies and social thoughts. Highlights roadblocks and bridges experienced. Captures race, gender, class and spatial dimensions. (Social Sciences)

Note: Cross-listed with PAS 542.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both WGST 543/PAS 542 and WGST 643/PAS 643.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 545. Southern Women: Black and White 3 Units

Term Typically Offered: Occasionally Offered

Description: Course focuses on questions of identity for southern women, black and white, by contrasting stereotypes and ideals with realities for these women in the slave, Jim Crow, and modern South. (Social Sciences)

Note: Cross-listed with PAS 545.

Note: Credit may not be earned for this course and WGST 645 or PAS 645.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 547. Language, Race, Class, and Gender 3 Units

Prerequisite(s): Junior standing.

Description: Course investigates the intersections of linguistic behavior with questions of race, class and gender. Students will gain an understanding of the multiple characteristics of communication. (Humanities)

Note: Cross-listed with PAS 547.

Note: Credit may not be earned for this course and PAS 547.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 556. Feminist Theory - WR 3 Units

Description: Survey of the history and scope of the feminist tradition with emphasis upon liberal, radical, Marxist, socialist, psychoanalytic, and postmodern approaches to feminist theory. (Social Sciences)

Note: Cross-listed with POLS 568.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

Note: Credit may not be earned for both WGST 556/POLS 568 and WGST 656/POLS 668.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 558. Women in Developing Countries - WR 3 Units

Description: Follows the progress of the international women's movement by focusing on the emergence of women leaders and their work in developing countries since the First World Conference on Women, 1975 to the present. (Social Sciences)

Note: Cross-listed with POLS 563.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 560. Feminist Philosophical Literature 3 Units

Prerequisite(s): Junior standing.

Description: Examination of central works by feminist philosophers in such sub-disciplines as ethics, political philosophy, and epistemology. (Humanities)

Note: Cross-listed with PHIL 518.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 571. Francophone Women Writers - WR 3 Units

Prerequisite(s): Faculty consent.

Description: Readings of literary and non-literary texts by women of the French-speaking world. (Humanities)

Note: Cross-listed with M L 506.

Note: Approved for the Arts & Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 582. Gender, Race and Culture in Health Care 3 Units

Prerequisite(s): A Philosophy course at 300-level or above, or consent of instructor.

Description: Examines ways social groupings and systems affect the kind of health care needed and the kind people receive. Addresses both biases and stereotypes, and empirical claims about biologically-based differences.

Note: Cross-listed with PHIL 582.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 584. Women in East Asian History 3 Units

Description: The history of women in China from ancient times to the twentieth century, with comparisons to women's experiences in Japan, Korea, and Vietnam. (Social Sciences)

Note: Cross-listed with HIST 584.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 589. Independent Study: Women's, Gender and Sexuality Studies- Humanities 1-3 Units

Prerequisite(s): Restricted to students who have a 3.0 cumulative GPA and have completed a minimum of 12 hours in WGST courses; permission of instructor.

Description: Provides opportunity for a student to do advanced interdisciplinary, humanities work on a Women's, Gender and Sexuality Studies topic.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 590. Independent Study: Women's, Gender and Sexuality Studies- Social Sciences 1-3 Units

Prerequisite(s): Restricted to students who have a 3.0 cumulative GPA and have completed a minimum of 12 hours in WGST courses; permission of instructor.

Description: Provides opportunity for a student to do advanced interdisciplinary, social sciences work on a Women's, Gender and Sexuality Studies topic. Topics announced in Schedule of Courses.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 591. Topics in Women's, Gender and Sexuality Studies: Social Sciences 3 Units

Term Typically Offered: Occasionally Offered

Description: Provides advanced study of a special topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective. Topics announced in Schedule of Courses. (Social Science)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 592. Topics in Women's, Gender and Sexuality Studies: Social Sciences - WR 3 Units

Description: Provides advanced study of a special topic related to women, gender or sexuality from an interdisciplinary, social sciences perspective. Topics announced in Schedule of Courses.

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 593. Topics in Women's, Gender and Sexuality Studies: Humanities 3 Units

Description: Provides advanced study of a special topic related to women, gender or sexuality from an interdisciplinary, humanities perspective. Topics announced in Schedule of Courses. (Humanities)

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

WGST 594. Topics in Women's, Gender and Sexuality Studies: Humanities - WR 3 Units

Description: Provides advanced study of a special topic related to women, gender or sexuality from an interdisciplinary, humanities perspective. Topics announced in Schedule of Courses.

Note: Approved for the General Education requirement in written communication (WR).

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

UNDERGRADUATE CATALOG ARCHIVE



Archived Catalogs

The following catalogs contain descriptions of the various policies, graduate programs, degree requirements, and related matters intended to be in effect at the University of Louisville for the indicated catalog year:

- 2018-19 Undergraduate Catalog (http://catalog.louisville.edu/undergraduate/archive/2018-2019_ugrad.pdf) (PDF)
- 2018-19 Undergraduate Catalog (<http://catalog.louisville.edu/archive/2018-19>) (webpage)

Archived catalogs prior to 2018-19 are available as PDFs only:

- 2017-18 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/17-18-catalog.pdf>)
- 2016-17 Undergraduate Catalog (http://catalog.louisville.edu/undergraduate/archive/16_17_catalog.pdf)
- 2015-16 Undergraduate Catalog (http://catalog.louisville.edu/undergraduate/archive/15_16_catalog.pdf)
- 2014-15 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/2014-2015-catalog.pdf>)
- 2013-14 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/13-14-catalog.pdf>)
- 2012-13 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/12-13-catalog.pdf>)
- 2011-12 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/catalog-full11-12.pdf>)
- 2010-11 Undergraduate Catalog (http://catalog.louisville.edu/undergraduate/archive/2010_2011ugcat.pdf)
- 2009-10 Undergraduate Catalog (<http://catalog.louisville.edu/undergraduate/archive/09-10-catalog.pdf>)

The archived University of Louisville Undergraduate Catalog PDFs work best with the free Adobe Reader. Get the latest version of Adobe Reader » (<http://www.adobe.com>).

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