

*Fall 2008 – Summer 2009*  
**Undergraduate Catalog**

**The Registrar's Office**  
**31 Houchens Building**  
**University of Louisville**  
**Louisville, KY 40292**  
**(502)852-6522**

**<http://louisville.edu/student/services/registrar>**

**UNIVERSITY OF**  
**LOUISVILLE.**  
**It's Happening Here.**



# Fall 2008 - Summer 2009 Undergraduate Catalog

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# Fall 2008—Summer 2009 Undergraduate Catalog

Institutional and  
Professional  
Accreditations

**Revised May 2008**

General  
Information for  
Undergraduates

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 (D.M.D., J.D., M.D.). Individuals who wish to contact the Commission on Colleges regarding the accreditation status of the university may write the Commission at 1866 Southern Lane, Decatur, Georgia 30033-4097, or call (404) 679-4500.

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**Enrollment  
Management -  
Registrar's  
Office**

**31 Houchens  
Building**

**University of  
Louisville**

**Louisville, KY  
40292**

**(502)852-6522**

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 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.

Inquiries or complaints about illegal discrimination including sexual harassment or handicap access can be made to the Affirmative Action director (852-6538) if response from the unit staff is unsatisfactory.

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 The Redbook is available electronically on the world-wide web at louisville.edu. – then select: “Faculty/Staff”, “Office of the Provost”, “Administration and Governance”, “Redbook”.

Reference copies of the university catalog are maintained by University Libraries, the university registrar, the Student Government Association Office, the student grievance officer, and the vice president for student affairs. Other policies and information covering students can be found in the Student Handbook.

This publication was prepared by the University of Louisville and printed with state funds. KRS 57.375.

## **Admissions Policies**

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.

## **General Education Requirements**

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

# Institutional and Professional Accreditations

## 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 (D.M.D., J.D., M.D.). Individuals who wish to contact the Commission on Colleges regarding the accreditation status of the university may write the Commission at 1866 Southern Lane, Decatur, Georgia 30033-4097, or call (404) 679-4500.

## Professional Accreditation

- Accountancy — The Association to Advance Collegiate Schools of Business (AACSB International)
- Art Therapy — (Expressive Therapies) American Art Therapy Association
- Audiology and Speech Pathology — American Speech-Language-Hearing Association
- Business (Graduate and Undergraduate) - The Association to Advance Collegiate Schools of Business (AACSB International)
- Chemistry — American Chemical Society (BS degree only)
- Clinical Psychology — American Psychological Association
- Computer Engineering and Computer Science — Computing Accreditation Commission of ABET, Inc. (B.S. degree only)
- Counseling Psychology — American Psychological Association.
- Dental Hygiene — Commission on Dental Accreditation of the American Dental Association
- Dentistry — Commission on Dental Accreditation of the American Dental Association
- Education — Education Professional Standards Board, Commonwealth of Kentucky and National Council for Accreditation of Teacher Education (NCATE)
- Engineering — (Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering, Computer Engineering and Computer Science programs) Engineering Accreditation Commission of ABET, Inc. (M.Eng. degree)
- Family Therapy — Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE)
- Graduate Medicine — (House Staff) Accreditation Council for Graduate Medical Education (ACGME)
- Interior Design — Council for Interior Design Accreditation (CIDA)
- Law — Section of Legal Education and Admissions to the Bar of the American Bar Association and Association of American Law Schools
- Medicine — Liaison Committee on Medical Education, a Joint Committee of the American Medical Association and the Association of American Medical Colleges
- Music and Music Therapy — National Association of Schools of Music (NASM)
- Nursing — Commission on Collegiate Nursing Education
- Paralegal Studies Program — Section on Paralegal Education of the American Bar Association
- Pathology and Laboratory Medicine – (Post Doctoral) Commission on Accreditation in Clinical Chemistry (COMACC)
- Public Administration — National Association of Schools of Public Affairs and Administration
- Public Health – Council on Education for Public Health (CEPH)
- Social Work — Commission on Accreditation of the Council on Social Work Education

- Sport Management – Sport Management Program Review Council of the National Association for Sport
- and Physical Education and North American Society for Sport Management
- Theatre Arts – National Association of Schools and Theatre (NAST)

## **Other Accreditation**

- Research Resource Center – Association for Assessment and Accreditation of Laboratory Animal Care, International (AAALAC)
  - Human Subjects Protection Program: Association for the Accreditation of Human Research Protection Programs, Inc. (AAHRPP)
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# General Information

The University of Louisville is a state supported research university located in the nation's 16th largest city. U of L enrolls more than 21,000 students and offers undergraduate degrees in more than 70 fields of study, master's degrees in approximately 55 areas and doctoral degrees in more than 20 disciplines. It also grants professional degrees in medicine, dentistry and law. U of L 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. U of L's 120,000 alumni live in all Kentucky counties, in every state and around the world. U of L has trained about 30 percent of Kentucky's physicians, 47 percent of its dentists and 31 percent of its attorneys. At U of L, students learn from faculty members who are experts in their subject areas. Nearly 90 percent of the 1,382 full-time professors hold the highest degrees in their fields. In addition to their classroom duties, U of L faculty are leading research projects funded at more than \$115 million in federal and private grants.

Those same professors share the latest 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 a six-branch library system that offers more than 1.8 million volumes and nearly 600 computer workstations with Internet capability. A diverse student body enriches the educational experience at U of L.

Students of color represent 12 percent of enrollment and international students total nearly 6 percent. Kentucky students account for 83 percent of the student population with 55 percent coming from Jefferson County. Slightly more than 17 percent of students are from other states. More than 150 campus organizations help students meet new friends, develop leadership skills and explore new interests. The Student Activities Center, the hub of much of campus life, includes a bookstore, food court, restaurant, movie theater, lounge and study areas, mini mart, and recreation and fitness facilities. Sports fans are also able to enjoy Division I men and women's athletics.

U of L's 273-acre Belknap Campus is home to eight of its 11 schools and colleges: arts and sciences, business and public administration, education and human development, engineering, graduate studies, law, music and social work. The Health Sciences Campus, located in the city's downtown medical complex, includes the schools of medicine, nursing and dentistry, public health, and U of L Hospital.

U of L was established in 1798 as one of the nation's first urban institutions. Though grounded in a rich legacy, U of L 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.

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# History of the University

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 defunct Jefferson Seminary, which had been chartered in 1798.

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 who advocated 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.

The University of Louisville is one of the oldest urban universities in the United States. From its inception, U of L has been dedicated to providing programs related to the needs of the Louisville urban area. The mission statement adopted by the Council on Postsecondary Education on July 11, 1994, reflects this historical role. The mission statement assigns the University of Louisville state-wide functions in medicine, dentistry, law and urban affairs, and it designates U of L as a research university.

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# University of Louisville's Mission Statement

The University of Louisville shall be a premier, nationally recognized metropolitan research university with a commitment to the liberal arts and sciences and to the intellectual, cultural, and economic development of our diverse communities and citizens through the pursuit of excellence in five interrelated strategic areas: (1) Educational Experience, (2) Research, Creative, and Scholarly Activity, (3) Accessibility, Diversity, Equity, and Communication, (4) Partnerships and Collaborations, and (5) Institutional Effectiveness of Programs and Services. (Source: Board of Trustees, April 2006)

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# Academic Freedom At The University of Louisville

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)

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# **Structure of the University**

In accordance with the statutory authority of the Commonwealth of Kentucky, the Board of Trustees of the University of Louisville shall exercise final jurisdiction over the university. It shall select the President of the university; and upon recommendation of the President, it shall make 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 shall adopt a budget annually for the ensuing year and grant all degrees conferred by the university.

## **Administrative Officers of the University**

### **President**

James R. Ramsey, Ph.D.

### **Executive Vice President and**

### **University Provost**

Shirley C. Willihnganz, Ph.D.

### **Executive Vice President for Health Affairs**

Larry N. Cook, M.D.

### **Executive Vice President for Research**

Manuel Martinez-Maldonado, M.D., Ph.D.

### **Vice President for Finance**

Michael J. Curtin, M.B.A., M.S.S.

### **Vice President for Business Affairs**

Larry Owsley, M.P.P., M.P.A.

### **Vice President for University Advancement**

A. Keith Inman, B.A.

### **Vice President for Student Affairs**

Tom Jackson, Jr., Ed.D.

### **Vice President for Information Technology**

Priscilla Hancock, Ph.D.

**Vice President for External Affairs**

Dan Hall, J.D.

**Vice President for Athletics**

Thomas M. Jurich, M.B.A.

For the most up-to-date organizational charts, please go to the web at <http://louisville.edu/about/>.

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# Organization of the Undergraduate Catalog

General information concerning University-wide academic policies, procedures and regulations is contained in this section of the Undergraduate Catalog. The remaining sections of the catalog focus on specific information about the academic units, degree program requirements and courses offered by the various units. Academic units are the colleges, schools and divisions of the University of Louisville.

Students needing to locate office phone numbers should consult the Student Directory available through the University's homepage on the World-Wide Web at <http://louisville.edu>, the Faculty/Staff Directory or the University Operator at (502) 852-5555.

## **Academic Unit Information**

This section provides information on admission standards, matriculation and/or graduation requirements, and probation/dismissal policies for each undergraduate school, college or division of the University. All unit sections contain information on the individual instructional departments which compose that academic unit, a listing of the faculty who have appointments in those departments and a listing of the degree programs offered within each department of the unit.

## **Degree Program Information**

All university undergraduate degree programs are outlined in this section of the catalog and are presented alphabetically by the major. All degree programs in the same major department are grouped together and all minors which have the same name as the major are included in this group. For example, grouped within the major of Political Science are the Bachelor of Arts, the Bachelor of Science with a concentration in Law and Public Policy, the Bachelor of Science with a concentration in Paralegal Studies, and the minor in Political Science.

Each degree program has a block of helpful information. This block contains the official university codes for the individual degree program. These codes are the two to four character codes for the major, the concentration, the degree and the academic unit which offers the degree.

## **Course Information**

The course information contains the subject area, the course number, the course title, and, in parentheses, the number of credit hours awarded for successful completion of the course. If the course has any prerequisites or corequisites, that information is also given. Included in "Notes" is information concerning registration restrictions, course cross-listings, previous numbers, when the course is offered if it is not offered every semester, and whether the course is taught in a format other than lecture, such as courses with laboratory or clinical requirements.

Course descriptions are available on the web at [www.louisville.edu](http://www.louisville.edu), select current students, online services, view course descriptions.

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# Academic Calendar for 2008-2009

## Fall 2008 Semester

Classes start	August 25	Monday
Last day of registration	August 25	Monday
Last day to add/drop a course	August 29	Friday
Labor Day holiday	September 1	Monday
Last day to apply for degree	September 12	Friday
Mid-Term Break	October 13-14	Monday, Tuesday
Last day to withdraw	October 16	Thursday
Election Day	November 4	Tuesday
Thanksgiving Vacation	November 26-30	Wednesday-Sunday
End of Classes	December 9	Tuesday
Reading Day	December 10	Wednesday
Final Examinations	December 11-17	Thursday-Wednesday
Degree Date	December 17	Wednesday
December Commencement	December 18	Thursday evening

## Spring 2009 Semester

Classes start	January 7	Wednesday
Last day of registration	January 7	Wednesday
Last day to add/drop a course	January 13	Tuesday
Martin Luther King Jr. Day holiday	January 19	Monday
Last day to apply for degree	January 27	Tuesday
Last day to withdraw	February 25	Wednesday
Spring vacation	March 16-22	Monday-Sunday
End of Classes	April 22	Wednesday
Reading Day	April 23	Thursday
Final Examinations	April 24-30	Friday-Thursday
May Commencement	May 9	Saturday

The university reserves the right to change the announced academic calendar without prior notice.



# Policy on Work-Restricted Religious Holidays

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.

**Note:** A calendar of typical work-restricted holidays is available at:  
**<http://louisville.edu/provost/diversity/policies.html>**

\* Information about specific holidays is also available by phone from the Provost's Office at (502) 852-6153.

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# General Admission to the University of Louisville

The University of Louisville subscribes to a selective admission policy. Admission for freshman applicants is based on: a) high school grades; b) ACT or SAT scores; and c) 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 far 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 **and** completed the Pre-College Curriculum **and** have a GPA of 2.5 and have achieved **at least one** of the following:

- A. The applicant has earned a composite ACT score of not less than 20 or an SAT-I score of not or less than 940 (CR+M) **(OR)**
- B. The applicant has completed the U of L Enhanced Pre-College Curriculum 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)**
- C. 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 selective 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 sections, 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 (PCC)**

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 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 and on the following pages 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:** First-time freshmen applications and credentials received after the following application deadlines will be reviewed on a space available basis:

Fall Term..... February 15

Spring Term .....November 1

Summer Term..... April 1

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

1. Submit the application online at <http://louisville.edu/admissions/apply>, pay a \$40.00 application fee (which can be paid by credit card or electronic check), and mail the University a copy of the high school transcript.
2. 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.

### **Transfer Students**

**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 at <http://louisville.edu/admissions/apply> and pay a \$40.00 application fee (which can be paid 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.

### **Evaluation of Transfer Credit**

A student admitted to the University from another fully accredited institution will usually be allowed credit for academic courses which apply toward graduation at the University of Louisville. In some instances, examinations covering the course being transferred may be required. A student is required to complete 30 of his/her last 36 semester hours at the University of Louisville.

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.

When a transcript from an accredited institution records credit granted for "non-traditional" education experiences (such as credit by examination, experiential learning, or correspondence work), up to 24 hours of such credit will generally be accepted in transfer. No further evaluation is usually necessary, provided the student has earned 30 or more credits "in residence" at the certifying institution.

Credit will not be given for more than 24 semester hours of correspondence work, extension work, or dual high school/college credit.

If the student is transferring from an international post secondary institution, the student must submit their academic records to Educational Credentials Evaluators, Inc. (ECE), P. O. Box 92970, Milwaukee, WI 53202 or World Education Services, Inc. (WES), P.O. Box 11623, Chicago, IL 60611-0623 for a course-by-course 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. It is the applicant's responsibility to submit credentials to ECE or WES and to pay all charges for the evaluation.

Once transcripts are received, a tentative evaluation of advanced credit will be issued. The final decision to award degree credit, however, is made in the academic unit in which the student intends to pursue a degree.

### **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 reenroll. 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 at

<http://louisville.edu/admissions/apply> and pay a \$40.00 application fee (which can be paid by credit card or electronic check) for **each** semester you plan to attend.

Applicants to the J. B. Speed School of Engineering 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, \$40.00 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. 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 begin or return to college as part-time students. In order to be eligible to apply to Continuing Studies, students must be at least 25 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.

Degree-seeking undergraduate 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. (See the Continuing Studies section for more information.)

### **University Orientation Programs**

Pre-enrollment programs to introduce new students to the University of Louisville are held before each fall and spring semester. Most programs include advising, registration, sessions on campus services and activities, and tours. Fall semester programs are held in late May and June. Separate programs are offered for new freshmen, transfers, adult students and parents of new freshmen. Spring semester programs are held in November, December and January. New students for summer terms are eligible to participate in the fall programs. Invitations are mailed to students and reservations are required. Fees are charged to cover the expenses of the program.

Please note it is mandatory that new freshmen attend an orientation program. Students admitted as postbaccalaureates, 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 postbaccalaureate applicants. These students need to submit an official transcript certifying at least a bachelor's degree, an application for admission and a \$40.00 application fee.

## **Distance Education Courses**

Distance education provides learning that is independent of time and location. Rather than gathering in a classroom, students and instructors interact in several ways. UofL's Delphi Center for Teaching and Learning offers students an opportunity to take courses and programs at times and places that fit their busy lifestyles without having to travel to class on a regular basis. All distance education courses are charged 130% of the in-state tuition rate. Students are charged at the graduate level rate if it is a graduate level course. There is no out-of-state tuition for distance education courses. This rate applies regardless of whether or not you are a full-time student, and is in addition to any other tuition charges the student incurs.

## **Online Courses and Programs**

UofL offers courses and complete degree programs that are 100% online so students around the world can complete their bachelor's or master's degree without ever entering a classroom. Online programs at the University of Louisville are very user friendly, allowing the student to interact directly with instructors and classmates through Blackboard, the university's online delivery software. You can find information about our online programs and courses at <http://delphi.louisville.edu/distance/student/index.html>

## **Telecourses**

Telecourses are fully accredited college-level courses brought to you by means of television. The main difference between telecourses and on-campus courses – and what makes taking telecourses so convenient – is what the majority of your classes come to you at home via KET or The Kentucky Network. In addition to the video programs, the many components that make up telecourses (including textbooks, study guides, reading assignments, and instructor interaction) allow for a complete educational experience for the student. Students are only required to come to campus a few times each semester.

## **Videoconference/Satellite**

UofL offers language, engineering and general education courses (as well as meetings) via compressed videoconferencing distributed across the Internet using international standards amongst two or more sites. Select locations are available on Belknap, Health Sciences and Shelby campuses for these sessions. Satellite downlink (reception) programming is also available at select locations on all three campuses, distributed over the campus cable system and the UofL ITFS broadcast system. Academic credit courses are also offered on the Shelby Campus, located in eastern Jefferson County. Shelby Campus is also the site of the National Crime Prevention Institute and Weekend Courses.

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# Registration and Drop/Add Information

## Continuing Registration

Currently enrolled students are expected to register for the upcoming semester or term during the current semester by participating in continuing registration. During this period, students generally have a better chance of getting the courses they want at the desired time periods. The Registration Information newspaper and web have instructions for advising and registering via the web.

## Open Registration

Students who do not participate in Continuing Registration may register by web in the days immediately preceding the start of the semester. Students should consult the appropriate unit section for procedures for students wishing to register in this fashion. A late payment fee of \$50.00 may be assessed when student accounts are not financially settled by the end of the first week of classes.

## E-Mail Notification



The university will use the e-mail system to remind students of some academic and financial deadlines as well as notification of cancelled courses. Please plan to check your campus e-mail account regularly, especially the week prior to the beginning of classes and the first several weeks of each semester.

## Drop/Add

A student's drop/add form must be approved according to the procedure for the academic unit in which the student is enrolled. Students may consult the Registration Information newspaper for detailed information concerning unit procedures for drop/add and for permission to enter closed classes. If the addition of courses increases the tuition for the student, the student will be required to settle their account by the end of the first week of classes.

A grade of "W" will be reflected on students' official transcripts for all courses officially dropped after the last day of drop/add.

Students who make a complete withdrawal from all courses for a particular semester must process this in accordance with the procedures established by their academic unit.



Late complete withdrawals are those requested after the official deadline to withdraw has passed. Proper documentation of special circumstances must accompany the petition for a late complete withdrawal, which the student shall submit to the appropriate official or committee of the enrollment unit. The enrollment unit shall request and consider all instructors' recommendations in deciding on the petition.

## Withdrawal Policy

The effective withdrawal date is the date on which the Registrar's Office, or its designated representatives during evening hours and at external campus offices, receives the appropriately signed drop form, or the date the drop/withdrawal is processed through the web. This date is used in calculating any refund or tuition reduction due if withdrawal deadlines are met. The last day to withdraw for each semester is published in the Registration Information newspaper, and for normal duration courses in the Fall and Spring semesters, is set in the eighth week of the semester. A grade of "W" will be reflected on students' official transcripts for all courses officially dropped after the last day to drop/add. Students who make a complete withdrawal from all courses for a particular semester must process this in accordance with the procedures established by their academic unit. When a student officially withdraws (see definition of effective withdrawal date above) from the University or from any course, or courses, for which hourly rates apply, tuition will be adjusted in the following manner:

	<b>Tuition Charge/Credit</b>
Withdrawal through the first week of semester .....	0%/100%
Withdrawal during second or third week of semester .....	50%/50%
Withdrawal during fourth week of semester.....	75%/25%
Withdrawal after fourth week of semester .....	100%/0%

Summer terms and some regular semester courses vary in length and the percentages of refunds are modified. Effective dates are printed for special terms and courses in the Schedule of Courses or are available from the Registrar's Office. Special course fees are refundable only with 100% adjustment.

## Metroversity Registration

Kentuckiana Metroversity Inc., is a cooperative effort of seven institutions:

Bellarmino University, Indiana University Southeast, Jefferson Community Technical Colleges, Louisville Presbyterian Theological Seminary, Southern Baptist Theological Seminary, Spalding University, and the University of Louisville. A full-time student at any one of these schools enjoys the opportunity of cross-registration, double-degree programs, library privileges, innovative off-campus experiences, and extracurricular activities on the other campuses of the consortium. Full-time University of Louisville students wishing to take courses at another Metroversity school should consult their academic advisor in the unit in which they are enrolled, as well as the Registrar's Office, to ensure proper enrollment and recording of courses. Cross registration is permitted on a space available basis at the discretion of the member institutions.

# Tuition and Fees

For fee purposes, determination of “undergraduate” and “graduate “ status is based on the school or enrollment unit to which a student is admitted; not on the level of courses taken.

## Distance Education Courses

Distance Education provides learning that is independent of time and location. Rather than gathering in a classroom, students and instructors interact in several ways. Most courses with section numbers 50, 51, 52, 53 and 54 are Distance Education courses. All graduate distance education courses are charged 130% of the graduate in-state tuition rate regardless of whether or not you are a full-time student. All undergraduate distance education courses are charged 130% of the undergraduate in-state tuition rate regardless of whether or not you are a full-time student. (percentage rate subject to change each Fall.)

The most current information on tuition, distance education, and other fee charges is available on the web at: <http://ulink.louisville.edu> Tuition-Fees- Payment Options, Tuition & Fees.

**NOTE:** University tuition charges are subject to approval of the Board of Trustees and may be changed without prior notice.

## Other University Fees:

<http://ulink.louisville.edu>: Tuition-Fees-Payment Options, Tuition & Fees, Other University Fees

## Degree Application Fees

Each applicant for an associate or bachelor’s degree will be charged \$20.00. Each applicant for a Master of Engineering Degree will be charged either \$40.00 (for those students graduating under the thesis option) or \$20.00 (for those students graduating under the non-thesis option). All other applicants for master’s degrees will be charged \$25.00. Ph.D. and Ed.D. applicants will be charged \$35.00.

If the applicant does not receive the degree, the charge will be adjusted to \$10.00. The candidate must then reapply for the degree to be granted at a later date and pay the full application fee at that time.

## Privilege Fees:

- Examination for extramural credit: .....1/2 regular course fee

• International Student Fee:

—Fall/Spring .....\$50.00

—Summer.....\$25.00

• Late Payment Fee.....\$50.00

• Reinstatement .....\$50.00

• Replacement Diploma.....\$20.00

• Transcript .....\$5.00

The first transcript ordered after a degree is awarded is free.

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# Residency Status

## **Residency Determinations and Appeals**

13 KAR 2:045. Determination of Residency Status for Admission and Tuition Assessment Purposes

### **Council on Postsecondary Education Administrative Regulation**

RELATES TO: KRS Chapter 13B, 164.020, 164.030, 164A.330(6) STATUTORY AUTHORITY: KRS 164.020(8)

Statutory Authority: KRS 164.020(8)

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 postsecondary education institution.

### **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 Office of Enrollment Management no later than 30 days after the first day of classes of the term for which a determination of residency status is requested. Academic calendars are available in the Schedule of Courses, the University web site, and Offices of Admission. Pursuant to the residency regulation, 13 KAR 2:045, an institution may set other deadlines for submission of other information required by the Institution in a determination of residency status. Information packets, including the regulation and affidavit form, are available in the Offices of Admissions, the Office of Enrollment Management, and printable from the residency website [www.louisville.edu/residency](http://www.louisville.edu/residency).

### **University Policy (Ref: Sections 13 and 14 of 13 KAR 2:045)**

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 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. 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 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.

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. (effective February 21, 2007).

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# Registration and Financial Settlement

## Registration and Financial Settlement

**CONTINUING REGISTRATION** - Tuition and fees are due on, or before, the designated due date for the semester. Payment may be made by cash, check, money order, charge card (MasterCard, Visa, or Discover), or financial aid credit. Payments 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.

Failure to receive a Statement of Account will not relieve the student of the responsibility for making financial settlement by the designated due date.

Continuing registrations which are not financially settled by the designated due date may have their course registration cancelled and/or be assessed financial penalties. The Continuing Registration designated due dates are listed in the current Registration Information newspaper and on the Bursar's web site at: <https://ulink.louisville.edu> **Tuition-Fees-Payment Options, Payment Options**

**REGULAR REGISTRATION** - Students who register after Continuing Registration 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 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 \$50.00 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. It is the policy of the University that unpaid accounts will be assessed the costs and expenses of collection, including attorney fees. The University may report unpaid financial obligations to credit bureau organizations.

**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.

**TUITION REDUCTIONS** - 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 TUICTION 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 TUICTION REDUCTION period. The TUICTION REDUCTION SCHEDULE for each semester is available on the Bursar's web site at: <https://ulink.louisville.edu> **Tuition-Fees-Payment Options, Tuition & Fees**

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 disbursement and have the loan proceeds returned to the lender. 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).

#### **Financial Settlement Options**

**Due dates, payment information, payment plan options, and payment plan forms for specific semesters is updated regularly on the Bursar's Office web site at:**

<https://ulink.louisville.edu> - **Tuition-Fees-Payment Options, Payment Options**

**Please address your questions to the Bursar's Office by email and receive an email response (bursar@louisville.edu).**

**The Bursar's Office phone number is 502-852-6503.**



# Financial Aid

## Student Financial Aid

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

### Contact Information

Website: [www.louisville.edu/financialaid](http://www.louisville.edu/financialaid)

E-mail: [finaid@louisville.edu](mailto:finaid@louisville.edu)

Call Center: 502-852-5511

Location: 110 Houchens Building Belknap Campus



### Website

On the Student Financial Aid website, visitors can access all of the following:

- term specific information on aid disbursement, residual funds, and the financial aid advance
- financial aid news and upcoming important dates
- aid application and processing instructions
- award sources and types
- UofL and outside scholarship postings
- an aid estimator to calculate an estimate of their financial aid awards
- consumer information



Additional web services are available to applicants for admission, newly admitted students, and current students at [www.ulink.louisville.edu](http://www.ulink.louisville.edu) > Student Services > Financial Aid.

## **E-mail Service Account**

Send your e-mail questions to [finaid@louisville.edu](mailto:finaid@louisville.edu). For specific account information, current students must e-mail us from their UofL email account. E-mail responses typically occur within 48 business hours.

## **Call Center**

Contact the Call Center at 502-852-5511 from 9:00 AM to 5:00 PM Monday through Friday. 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**

We provide walk-in counseling to both current and prospective students on Monday through Friday from 9:00 AM until 30 minutes prior to closing. Typically, the office closes at 5:00 PM. The office will remain open until 5:30 PM on Tuesdays and Wednesdays while students are in classes for the fall and spring semesters. Check the Student Financial Aid website for special office hours during August and January class registration.

## **Consumer Information**

Access the Consumer Information webpage at [www.louisville.edu/financialaid](http://www.louisville.edu/financialaid) to view information on the following:

- the need-based and non-need-based federal financial aid that is available to students
- the need-based and non-need-based state and local aid programs, school aid programs, and other private aid programs that are available
- how students apply for aid and how eligibility is determined
- how the school distributes aid among students
- the rights and responsibilities of students receiving aid
- how and when financial aid will be disbursed
- the terms and conditions of any employment that is part of the financial aid package
- the terms of, the schedules for, and the necessity of loan repayment and required loan exit counseling

- the criteria for measuring satisfactory academic progress, and how a student who has failed to maintain satisfactory progress may reestablish eligibility for federal financial aid.
- a statement of the requirements for the return of Federal Student Aid program funds when a student withdraws from school, information about any refund policy with which the school must comply, and the requirements for officially withdrawing from the school
- the terms and conditions under which students receiving federal education loans may obtain deferments
- information regarding the availability of Federal Student Aid program funds for study abroad programs.

**A student can request and receive a printed copy of the Consumer Information webpage.**

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# Academic Facilities and Support Services

**2008 University Libraries** - The University offers an extensive library system designed to support undergraduate and graduate research. The Library system consists of the Ekstrom (Main) Library, the Fine Arts Library, the Law Library, the Music Library, the Health Sciences Library, and the University Archives and Records Center. Total library holdings number more than 2.2 million volumes. The libraries subscribe to 13,706 printed journals and to over 47,000 electronic journals, e-books and electronic databases, with electronic access to most journals. In addition, the libraries hold over 2.2 million microforms. Interlibrary Loan services of the Ekstrom and Kornhauser libraries provide access to collections of the Kentuckiana Metroversity libraries, the Kentucky Commonwealth Virtual Library (KYVL), and other libraries throughout the state, nation and the world for materials not owned by the University of Louisville Libraries. The libraries' collections are accessed through the Minerva online catalog at: <http://minerva.louisville.edu/>

## Main Library



The William F. Ekstrom Library on Belknap Campus contains over 1.5 million books and subscribes to 6,069 journals including the former Kersey Library's science and engineering collections. Ekstrom Library offers an array of multidisciplinary information services and collections and is the largest library facility at the University. The library is a depository for United States government publications and receives approximately 70% of titles available from the Government Printing Office. The library has a new Learning Commons, including the Metropolitan College Computer Lab, Media Resources (with a superb collection of videos relating to race, gender and diversity), REACH and Reference Services. In addition, Ekstrom library includes five state-of-the-art learning labs, the Elaine Chao Auditorium, special services for users with disabilities, the Bingham Poetry Room and the Grandville A. Bunton African American Collection.

The Photographic Archives are also located in Ekstrom Library and feature 1.5 million images and manuscripts. The Rare Books section contains primary research materials, literary manuscripts and antique books. For additional information see: <http://louisville.edu/library/ekstrom>.

Ekstrom Library also houses, the Tulip Tree Café with a secure 24 hour study area for UofL faculty, staff and students with a valid ID, open when the rest of the library closes at midnight. Also in the library are the Copyright permission office, the University Writing Center, the McConnell Center for Political Leadership, the Delphi Center for Teaching and Learning, the Anne Braden Institute, and the Muhammad Ali Institute for Peace and Justice.

## Margaret Bridwell Art Library



The Art Library has more than 87,000 volumes, subscribes to 339 journals, museum bulletins, and media. It provides access to electronic and print indexes. The library collections support the programs of the Fine Arts Department.

Included in the Art Library are a rare book collection, a group study room for watching videos or viewing slides and a scanner for making color copies. Art Library books circulate only to faculty and to

graduate students in the Fine Arts Department and the Expressive Therapies program. For more information see: <http://louisville.edu/library/art>.

### **Kornhauser Health Sciences Library**

The Kornhauser Library, located in the downtown health sciences center, meets the information needs of the Schools of Dentistry, Medicine, Nursing, and Public Health. It serves as Regional Resource Library of the National Network of Libraries of Medicine and is a significant resource for the health sciences community of the Louisville metropolitan area and the western half of Kentucky.

Founded in 1837, the Kornhauser Library provides databases of the biomedical literature, electronic texts and journals, educational tools, and other medical information resources. The library's collection includes over 250,000 volumes and 1,570 journal subscriptions as well as e-journals. The historical collection includes information on health care in Kentucky and the Trans-Appalachian West. Additional information can be found at: <http://louisville.edu/library/kornhauser>

### **Law Library**

The library of the Louis D. Brandeis School of Law contains more than 239,000 volumes and microforms, emphasizing primary and secondary resources in United States law as well as 5,420 journal subscriptions. Special collections include the papers and correspondence of U.S. Supreme Court Justices John Marshall Harlan and Louis D. Brandeis. The library is a selective depository for federal government documents, and a hardcopy depository for U.S. Supreme Court records and briefs. For more information see: <http://louisville.edu/library/law.html>

### **Dwight Anderson Music Library**

The Music Library houses one of the largest music collections in the State of Kentucky. Founded in 1947, the library's mission has been to provide materials in support of the curriculum of the School of Music and the research of its faculty. Total holdings exceed 116,000 volumes, and 277 journal subscriptions. The Listening Area offers state of the art audio and video equipment, complete with compact disc players, cassette decks, and videocassette and DVD players. The sound recording collection exceeds 28,000 items. Special collections include The Traipsin' Woman (Jean Thomas) Collection, the Isidore Philipp Archive and Memorial Library, and the Hattie Bishop Speed Collection. The collection of sheet music about Louisville is the most extensive in the region. Noteworthy are a collection of over four hundred eighteenth and early nineteenth century prints and manuscripts from the noble Ricasoli family of Tuscany and the Grawemeyer music composition collection. For more information see: <http://louisville.edu/library/music/>

### **University Archives and Records Center**

The University Archives are a research repository of national significance. It contains primary sources relating to the university, Louisville, and the nation. It collects, preserves, and makes available for research, historical manuscripts, oral history interviews, and other primary research materials, and thus serves as a research laboratory for humanists, social scientists and others from the area, the US and other countries. Its Collections include nineteenth and twentieth century records of area businesses, cultural organizations, social service agencies, and churches; and personal papers of politicians, scholars, members of the Jewish and African-American communities, and women. For more information see: <http://louisville.edu/library/uarc/>

## **Information Technology Services**

UofL's Information Technology unit (IT) provides a variety of technology-based services in support of the university's students, faculty and staff. IT also supports the instruction and research missions of the university by providing imaging and television services, graphical design, copy and printing services. Additional information concerning Information Technology services can be found on the IT web pages at: <http://louisville.edu/it/>

Information Technology provides a wide range of services through iTech Xpress, an online store for university students, faculty and staff with a store location in the Miller Information Technology Center (lower Level). iTech Xpress offers discounted software and downloads, computers, copy services, mobile broadband loaner cards, and computer repair.

In addition to iTech Xpress in the Miller IT Center, two copy center locations (Ekstrom Library and the Dental School) provide photocopying, high-speed duplicating, and document preparation services with a wide variety of finishing options. The copy centers support preparation and distribution of instructional packets for faculty.

Information Technology supports enterprise administrative and academic applications, such as student administration, human resources, financial, library, database, portal and other applications and provides integrated E-mail and calendars for faculty, staff, and students using Novell GroupWise. All email at UofL is protected from spam and viruses by extensive filtering processes. The university portal, ULink, provides students, faculty, and staff with access to a wide range of information and services. The Blackboard learning system is widely used to support instruction and provides an online community.

A variety of computing centers and labs are located on campus for the convenience of students. The primary computing centers are located in the Miller Information Technology Center and the College of Business on the Belknap Campus, in the School of Nursing Building on the Health Sciences campus, and in Burhans Hall on the Shelby Campus. Together, these centers provide several hundred public workstations for access to academic software, UofL information and the Internet. Additional public workstations in high-traffic locations provide access to E-mail. A 24 hour helpdesk (852-7997) is available to assist student with technology questions and issues.

The University has extensive networking, including an 8 gigabit campus backbone network, a high-speed intercampus fiber network, cable TV, microwave, and IP video networks. Telephone services are provided through a Voice over IP (VoIP) system, including phones in the residence halls. A satellite uplink connects to Kentucky Educational Television (KET) Star Channels system, and the University is a member of KET.

The University has access to high speed Internet service through the KPEN (Kentucky Postsecondary Education Network) and is an active member of Internet2. Wireless Internet service is widely available across Belknap and Health Sciences campuses with access in scheduled classrooms and many public areas.

## **Academic Support Services**

## **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. Services offered include academic counseling, tutoring, objective based study hall programs, and referral to other university offices to ensure that student athletes are informed about career planning, job placement, and other available resources.

## **REACH**

Resources for Academic Achievement (REACH) is the university's central undergraduate academic support unit. The Welcome Center includes an Information Desk and study lounge, as well as offices for the REACH Ambassador Peer Mentoring Program. The REACH Learning Resource Center offers seminars as well as tutoring environments in most 100- and 200-level courses.

The Math Resource Center provides walk-in tutoring services for mathematics courses at the 100- and 200-level. The Computer Resource Center provides university computer services, PCs and multimedia editing equipment, as well as individual guidance in the use of supported software applications. Academic Development Specialists provide intrusive advising for at-risk students. All REACH services are housed in Strickler Hall and are available to University of Louisville students without charge.

## **Career Development Center**

The Career Development Center at the University of Louisville assists UofL students and alumni in the process of exploring, deciding, and managing their unique career goals during college and after graduation. Whether a freshman or a senior, a graduate student or alumnus it is never too early nor too late to begin the process of investing in your future. You can rely on UofL career programs and services to help develop the career management knowledge and skills you need to be competitive in today's workplace.

### ***How we can help?***

#### **Individualized Career Counseling**

Career Coaches are available to assist with choosing or changing majors, assessing abilities, interests and values, clarifying career goals, writing a resume or cover letter, preparing for interviews, conducting a job search, or preparing to attend graduate school. Each Coach is assigned to one of the schools or colleges of the university, so they know the academic programs of study and are uniquely qualified to help because they understand the career opportunities within each specific field and/or area of interest.



## **Experiential Education through Internships and Cooperative Education Opportunities**

Gain “real world” work experience related to your major while still in school through a part-time job, an internship or a cooperative education assignment. Visit our office to learn more about how to participate and let us help you make the connections necessary for success.



### **On-line Career Resources available 24/7**

Visit the newly updated Career Development Center webpage to learn more about what career development programs, services and resources are available at <http://louisville.edu/career>.



### **On-Campus Interviews with nationally ranked employers**

The on-campus recruiting program provides the opportunity to meet face-to-face with potential employers while interviewing for professional entry level and cooperative education positions with national and international organizations from across the country.



### **On-line Portfolio Services**

Through Reference Now, house on-line your references, transcripts, performance evaluations, and even portfolio information for a minimal fee. All materials are available to potential employers and/or graduate schools 24/7 - A must have on-line tool for today's savvy job seeker.



### **Opportunities to network with employers**

The UofL Career Development Center also hosts several career and information fairs throughout the academic year, providing you the opportunity to learn more about career opportunities and find employment. This is a great way to begin learning how to network and start building a list of professional contacts, obtain opportunities to interview with a wide variety of organizations, and possibly obtain a job offer.



### **On-line Management of your Job Search through Symplicity**



Utilizing Symplicity, your personal career management system, browse thousands of on and off-campus part-time, work study, full-time, internship, cooperative education and/or summer positions, posted by employers wanting to hire UofL students and grads. Visit <http://louisville.edu/career> to login and create your account today.

## **Customized Presentations on a wide variety of topics related to Career Management**

Upon request, the Career Development Center will provide your class or organization with a tailored presentation on Resume Writing, Cover Letter Writing, Cooperative Education, How to Conduct Your Job Search, or even a Career Services Overview. Just let us know what you want to know and we'll be there. The Career Development Center also offers an on-going series of programs available each semester. Watch for the upcoming schedule of informative presentations at <http://louisville.edu/career>.

### **Graduate School Information**

If you are interested in going on to Graduate school, the UofL Career Development Center can assist you with the selection and application process and helping to develop the knowledge and skills needed to manage a successful grad school application process.

### ***How to get started?***

Make an appointment with one of our Career Coaches today by calling 852-6701. We will meet with you, assess your career development needs, orient you to our services and help you develop a plan of action.

### ***Where are we located?***

UofL Career Development Center, Houchens Building LL04/03 or on-line at <http://louisville.edu/career>

### **Counseling Center**

The Counseling Center's mission is to assist students in securing timely and appropriate responses to personal, educational, psychological and developmental concerns. Time-limited individual counseling, group counseling, and referral services are provided at no charge. Psychiatric services are also available after counselor referral. All currently enrolled students are eligible for the Center's services.

All counseling and testing are completely confidential to the limits provided by law. The Center provides information on mental health issues through a variety of outlets including the distribution of pamphlets, on-line at our website and as a part of psycho-educational programs offered in the residence halls and across campus.

## **Commuter Student Services (CSS)**

CSS serves as an advocate for the adult/commuter student attempting to balance educational, family, and employment obligations and is open in the evenings until 6pm. Services are offered in room 105, Davidson Hall. Special services are extended to students desiring to initiate or return to college, to complete a degree, or to take a few courses for personal interest. CSS also provides on-going assistance to the adult and commuter student having difficulties attending college. It serves as a "home base" to students with a social lounge, computer lab and a quiet student lounge.

## **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 web page at <http://louisville.edu/disability>

## **Student Health and Insurance**

The University of Louisville offers a major medical insurance plan to meet student health care needs. This plan is a major medical and hospitalization plan which has coverage for both inpatient and outpatient services. Similar to an HMO, the Health Services Office serves as the primary care provider and a referral is necessary for most services rendered outside of the Student Health Services.

Purchase of the Plan provides coverage for physician visits at the Health Services Office (HSO), which has two clinical locations. Dependents of insured students are eligible for the benefits for an additional premium. Insured spouses are eligible for coverage at the Health Service Office facilities. Children under the age of 18 are not eligible for the Health Services benefit and cannot be seen in the Health Services Office. For more information and appointments, please call the Belknap Office at (502) 852-6479 or the HSC Office at (502) 852-6446 or go to the website at <http://louisville.edu/campushealth>. The Insurance Advocate can be reached at (502) 852-6519.

## **Testing Services**

This office serves as a National and University testing agency. Campus testing includes: UL Faculty make-up exams, placement exams (Math); test-out exams (CLEP); Correspondence exams and CIS 100. There are over 50 national exams including the ACT, SAT, and LSAT. Also a Prometric center for computerized exams such as GRE, MCAT, and TOEFL. Registration materials are available in Testing Services, (Davidson Hall, 310), at the information booths or through the ACCESS office. The web address is: <http://louisville.edu/student/services/testing>

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# General Academic Information

## Ideas to Action

Ideas to Action: Using Critical Thinking to Foster Student Learning and Community Engagement is the University of Louisville's Quality Enhancement Plan (QEP) as required by its accrediting agency, the Southern Association of Colleges and Schools. Ideas to Action (I2A) is the University's multi-year initiative to promote meaningful transformation of our undergraduate programs through intentionally connecting and sharing learning outcomes and curricular enhancements in order to foster students' critical thinking skills and promote community engagement in academic, co-curricular and real-world contexts. For more information, visit the I2A website:

<http://louisville.edu/ideastoaction/>

## University Philosophy of Academic Advising for Undergraduates

Academic advising at the University of Louisville is an on-going, intentional, educational partnership dedicated to student academic success. The University is committed to an academic advising system that guides students to discover and pursue life goals, supports diverse and equitable educational experiences, advances students' intellectual and cultural development, and teaches students to become engaged, self-directed learners and competent decision makers.

The University and its undergraduate academic units and advisors believe that student success is a comprehensive, campus-wide, process/effort/responsibility to express these values:

- Teaching and learning as an academic advising function.
- Fostering a community of respect.
- Encouraging the individuality/diversity of students and their unique educational/needs/experiences.
- Working collaboratively with others through shared challenges, achievements, ideas, and resources continuously to incorporate best practices into university-wide advising.
- Identifying a common goal of student engagement in learning and success.
- Using technological innovations that seek to improve the student experience/ academic advising experience.
- Promoting diversity as central to intellectual and cultural development.
- Developing student satisfaction with academic advising.

## **University Classification of Undergraduate Students**

Undergraduate students are admitted to an undergraduate enrollment unit and classified as follows:

- **Full-time students:** those who are registered for 12 or more semester hours in a regular school session.
- **Part-time students:** those who are registered for fewer than 12 semester hours in a regular school session.
- **Regular students:** those who have satisfied the admissions requirements for the academic unit in which they are enrolled.
- **Special students:** those 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:** those 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.
- **Freshmen:** students who have fewer than 30 semester hours 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 credit.
- **Seniors:** students who have 90 or more semester hours credit but have not received baccalaureate degrees.

## **General Academic**

- **Post-baccalaureate:** students holding baccalaureate degrees and taking further undergraduate work.
- **Auditors:** students enrolled in a class or classes on a noncredit basis.

## **Undergraduate Grading System**

The University awards letter grades which are translated into quality points to determine the grade point average or point standing. The "+/-" grading system may be used to help students understand their performance more accurately. Under this system, quality points are assigned as follows:

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 of A+ is given for extraordinary work and appears on the transcript with the “plus” qualification, but it awards no additional quality point value in the calculation of the grade point average.

“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 “F” has a negative effect on the point standing.

Other letter grades include the following:

“AU” means Audit and does not enter into the point standing.

“I” means 'Work in Course is Incomplete. This grade does not enter into the point standing. The grade and quality points awarded when the incomplete is made up (or the "F" that is given by default if the incomplete is not made up by the last day of final examinations of the next fall or spring semester) become part of the point standing at that time.

“P” means Passing in a course taken on a pass-fail basis. A grade of “P” is given for achievement equivalent to the standards for the grades “A” through “D” in the same course. A “P” does not enter into the point standing, but earns the designated number of semester hours.

“S” and “U” mean Satisfactory and Unsatisfactory. These grades are used only for certain courses, and are not available by student option. Courses using these grades will earn semester hours, but those hours may not be counted toward the minimum number of hours required for graduation or a degree. “S” and “U” do not affect the point standing.

“W” means Withdrew and does not enter into the point standing.

“X” means the work is not finished because of the nature of the study. This grade is available only for

graduate level courses.

All missing grades change to failing grades one year after the completion of the semester in which the course was taken.

### **University Grade Point Average**

The student's grade-point average is determined by dividing the total number of quality points earned by the total number of semester hours attempted. The number of hours attempted is computed by adding the hours for all courses in which the student has earned grades. The overall point standing takes into account all work taken at the University. Courses numbered below the 100 level (000–099) taken in the 1998 Fall Semester or after will not be used in the earned hours or University Grade Point Average calculations. However, decisions involving probation, dismissal, honors and eligibility for graduation are defined by each academic unit. Grades and quality points earned at other institutions are not incorporated into the university grade point average. Students should review the unit sections to determine how their enrollment unit uses transfer credit grades in the calculation of the grade point average.

### **Course Numbering System**

Each course has an alphabetic subject area code and a three-digit number. Within each department these numbers are used to identify the courses.

- Freshman courses are numbered 100 to 199.
- Sophomore courses are numbered 200 to 299.
- Junior courses are numbered 300 to 399.
- Senior courses are numbered 400 to 499.
- Senior and graduate courses are numbered 500 to 599.
- Graduate courses are numbered 600 to 799.

In registering to enroll for courses during a particular term, students are required to use a unique four digit course code, available in the university course schedule, to designate the particular course section in which they seek to enroll.

### **Catalog Years**

The catalog years for this catalog are 2008 through 2009. The requirements, rules and policies therein are generally applicable to students who enroll at the University beginning with the Fall 2008 semester

through the Summer 2009 term. The University reserves the right to change programs of study, academic policies, academic requirements, fees, schedules of courses, or the announced academic calendar without prior notice. Each academic unit has its own catalog years policy as related to degree programs. Students with continuous enrollment who transfer within the University will be expected to meet the general education requirements in effect the year they were admitted to the University.

Students are responsible for knowing the catalog year policy for general education and the degree programs of the academic unit in which they intend to earn a degree.

### **Change of Address**

Students requiring address changes during and between terms can make the adjustments on the address change form in the Registration Information newspaper and submitting the form to the Registrar's Office or via the web through ULink at <http://ulink.louisville.edu>. Under 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.

### **Student Information System**

The Student Administration System is the electronic system which 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.

### **ULtra: the University of Louisville Transfer Program**

The ULtra Program 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 (JCPCS) so that all Kentucky students have access to a baccalaureate degree.

ULtra is a program for students who choose, or who are advised by University of Louisville Admissions, to begin their academic career at Jefferson Community and Technical College (or any KCTCS institution) before transferring to UofL to complete a Bachelor's degree. These students are encouraged to complete an Associate's 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 campuses and provides transfer specific advising for UofL degree programs, connections to UofL, mentoring and other opportunities before transfer, assistance with the transfer process and support after transfer.

Students interested in the University of Louisville Transfer Program can learn more about programs, transfer coursework and opportunities by visiting the Ultra website at <http://louisville.edu/ultra> or by calling (502)213-4582.

JCTC and UofL also work collaboratively to address the needs of students who are admitted to UofL in good standing but who need some developmental coursework.

Additional contact information:

Dr. Kathleen Mandlehr

Jefferson Education Center

Suite 800

200 West Broadway

Louisville, KY 40202

(502) 213-4562

[ktmando1@louisville.edu](mailto:ktmando1@louisville.edu)

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# University-Wide General Education Competencies and Content Areas

The General Education Program at the University of Louisville fosters active learning by asking students to think critically, to communicate effectively, and to understand and appreciate cultural diversity. Specifically, students will establish foundations in the following content areas: Arts and Humanities, Mathematics, Natural Sciences, Oral Communication, Social and Behavioral Sciences, and Written Communication. Additionally, in the competency area, students will acquire an understanding of Cultural Diversity through work in the content areas.

Students must complete 12 credit hours of General Education courses within the first 30 degree-applicable credit hours earned, and these 12 hours must include the successful completion of the first three hours in Written Communication; further, students must fulfill or begin working towards the Mathematics General Education requirement. Before completing 60 hours, the student must have completed 21 hours of General Education courses, including Oral Communication, Mathematics, and the second three hours of Written Communication.

## Content Areas:

**Arts and Humanities** (6 hours: one course in Arts; one in Humanities)

- Arts and Humanities are concerned with understanding texts of art, music, theatre, literature, philosophy, and religious thought.

**Mathematics** (3 hours in Mathematics)

- Mathematics is concerned with solving real-world problems through mathematical methods.

**Natural Sciences** (7 hours: lecture and lab in a single discipline; an additional 3 hours in a second discipline)

- Natural Sciences are concerned with understanding the physical world through the scientific method.

**Oral Communication** (3 hours)

- Oral communication is the ability to convey ideas, emotions, and information through speech.

**Social and Behavioral Sciences** (9 hours: one course in the Department of History; the remaining 6 hours in two other disciplines)

- Social and behavioral sciences are concerned with understanding human behavior, human interactions, human environment, and the related social structures and forms.

- History (3 credits) History is concerned with understanding change over time. Courses addressing this requirement cover a broad body of historical knowledge and compare Western and non-Western

cultures.

**Written Communication** (6 hours: the first 3 hours must be a writing course in the Department of English or be an approved Honors course substitute)

• 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.

### **Competency Areas:**

Students must take 6 hours in courses designated **Cultural Diversity (CD1 and CD2)**, at least 3 hours of which will focus on persons of African, Asian/Pacific Islander, Hispanic or Native American ancestry. **In many cases, these courses will also fulfill other Content Area requirements (e.g., a Cultural Diversity course may also count as a Social and Behavioral Science requirement).**

• **Understanding Cultural Diversity** Understanding cultural diversity means students will have a broad exposure to a variety of social systems, cultures, and subcultures, both within the United States and the rest of the world. This portion of the curriculum encourages an appreciation of the realities of a racially and culturally diverse world.

## **General Education Program**

### **General Education Course Codes**

Course code designations (WC, OC, M, S, SL, B, H, A, SB, CD1, CD2) appear in the course title (as an extension of the title) for the General Education courses. They indicate the general education requirement(s) that the course fulfills. Some courses are assigned more than one code if they fulfill more than one requirement. For an explanation of the course codes, visit the Provost's web site at <http://louisville.edu/provost/GER/>

### **Content and Competency Courses**

For a listing of General Education courses, by academic year, see General Education Course List at <http://louisville.edu/provost/GER/>

### **Statewide General Education Block Transfer Policy**

Students who transfer between Kentucky's public institutions of higher education may qualify for a "block" rather than course by course transfer policy beginning in January, 1996. This policy has been

established as a means of promoting the transfer of lower division general education requirements from one public institution to another and reducing the probability that credits may be lost or courses repeated due to transfer. The statewide block transfer policy applies to transfer students who have completed all or part of lower division general education requirements within the following competency areas:

## **Communications**

Written (6 hours)

Oral (3 hours)

**Humanities (6 hours)** Includes courses from but not limited to the following:

Fine Arts (excluding studio and performance courses)

Philosophy

Literature

History

Foreign Literature

Cross-Cultural

Inter/Multi-Disciplinary

## **Behavioral/Social Sciences**

**(9 hours)** Includes courses from but not limited to the following listing AND must be represented by a minimum of two disciplines and must be different from those disciplines used to meet the Humanities requirement:

Psychology

Sociology

Economics

History

Anthropology

Geography

Political Science

Cross-Cultural

Inter/Multi-Disciplinary

**Natural Sciences (6 hours)** Includes courses from but not limited to the following disciplines:

Biology

Chemistry

Physics

Astronomy

Geosciences

**Mathematics (3 hours) Minimum—**

### **College Algebra**

Students who have completed lower division general education requirements or have an AA/AS degree or 60 credit hours upon transfer may find that this policy applies to them. The student should contact the Registrar or advisors at their current institution and ask for a **General Education Audit** to be sent to the University of Louisville. This audit will provide admissions and advisors at the University of Louisville with information that may prove beneficial to the transferring student. Students planning to transfer to another state institution following the completion of 60 hours at the University of Louisville should contact their advisor concerning the Statewide Transfer Frameworks Option. This option provides a means through which students, planning to transfer following the completion of 60 hours, may complete a specified set of general education and program specific requirements which will be transferable to all state institutions.

Students desiring to take advantage of this option should know what degree they plan to complete and must complete the full 60 hours as specified under the framework to be eligible. The first 60 hours for many degrees offered throughout the state system are available at the University of Louisville. The University of Louisville need not offer the final degree for students to take advantage of this program.

### **University Residency Requirement for Awarding of Baccalaureate Degrees**

Students earning baccalaureate degrees are required to complete 30 of their last 36 semester hours at the University of Louisville. Individual academic units may have more stringent residency requirements. Students should familiarize themselves with the residency requirements of the academic unit in which they intend to pursue a degree.

### **Residency Requirement for Awarding of Associate Degrees**

Students earning associate degrees are required to complete a minimum of 15 of their last 18 semester hours at the University of Louisville. Some academic units may require a higher minimum for the associate degree. Students should consult the appropriate unit section for specific information.



## **Confirmation of Degrees**

The conferring of degrees by the University of Louisville is conditional upon completion of all requirements in the opinion of the Dean/Director and faculty, regardless of the students' participation in Commencement or any other representations by University employees. The student is responsible for submitting an application for a degree in a timely manner to be considered for a degree.

## **Commencement Ceremonies**

Commencements are scheduled for May and December. Commencement information and current schedules are available on the web at <http://louisville.edu/commencement>.

Graduates participating in the commencement ceremonies must order academic apparel before the deadline stated on the website.

All graduating students must apply for their degrees online according to deadlines stated in the Registration Information newspaper (dates also available on the web at <http://louisville.edu/student/services/registrar/degreecomm.html>).

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# Academic Policies and Procedures

## **Academic Grievance Procedure**

### **Section 1: Introduction**

This 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).

The Unit Academic Grievance Committee has the power to hear all grievances involving academic matters other than substantive grade appeals. "Academic matters are defined as those concerning instructional activities, research activities, activities closely related to either of these functions, or decisions involving instruction or affecting academic freedom" (The Redbook, Section 6.8.3). The Unit Academic Grievance Committee may review allegations that a course grade has resulted from an unfair procedure. However, the committee should not substitute its judgment on their merits as an evaluation of academic performance. Where the dean concurs that procedural irregularities have occurred, the dean shall consult with an appropriate faculty committee as to the grade to be recorded on the student's official transcript. To assist the student, a Student Grievance Officer is provided, who is responsible for "informing students of their rights and obligations under the grievance procedure and especially the deadlines that have been established. The Student Grievance Officer shall seek to resolve informally as many grievances as possible" (The Redbook, Section 6.8.2).

Students are encouraged to seek the assistance of the Student Grievance Officer at any stage of the grievance process. Each unit shall establish an Academic Grievance Committee to carry out the procedures described below.

### **Section 2: Preliminary Steps**

To pursue a grievance concerning academic matters within the academic unit, the following steps of the grievance procedure should be observed:

1. The student should first discuss the matter with the person involved and attempt to resolve the grievance through informal discussion.
2. If there is no resolution, the student should discuss the matter with that person's supervisor or the person to whom such person reports, who should attempt to mediate a resolution.
3. If the student has not been able to obtain a resolution, he or she may request the Student Grievance Officer (S.G.O.) to attempt informal mediation of the problem.
4. If the matter has not been satisfactorily resolved through the informal process, the student shall submit a written statement of the grievance to the Unit Academic Grievance Committee through the Office of the Dean. The statement shall contain:
  - a. A brief narrative of the condition giving rise to the grievance;

- b. designation of the parties involved; and
- c. statement of the remedy requested.

**Section 3: Committee Action Upon receipt of the written statement, the Unit Academic Grievance Committee, or its representatives, shall:**

1. Contact the student and the Student Grievance Officer to obtain assurance that all steps of the above informal process were completed and that those issues in the statement were discussed at all levels.
2. Notify the parties named in the statement of the grievance naming them; and send a copy of the statement to the named parties and to all committee members.
3. Notify the grievant and the respondent of the right to challenge committee members for cause, and request early notification of challengers to expedite the grievance procedure. Included in this notification will be a list of the names of all current, regular committee members.
4. Meet within twenty working days after receiving the written statement of any grievance and recommend to the dean of the unit whether sufficient grounds exist to accept a case for hearing. The committee shall hear the case when the dean concurs. The committee shall notify, in writing, all persons directly involved as to the reasons for its recommendation.
5. The action of the grievance committee as to whether to grant a hearing when accepted by the dean of the unit shall be final and binding on all parties except when subject to the condition of appeal.
6. If a hearing will be held, notify in writing all the parties involved, including any witnesses, of the date, time and place of the hearing at least ten days prior to the hearing date (which shall be within 30 working days of receipt of the written grievance).
7. Request in writing from all parties involved any pertinent material deemed necessary for review by the committee prior to the hearing. These materials, and any additional materials either party chooses to submit, must be submitted to the committee not later than four days prior to the hearing. Any person named in a grievance may submit a written statement to the committee outlining issues from that person's perspective.
8. Maintain confidentiality throughout the entire grievance process. All communications among the committee, the grievant(s), and the person(s) named in the statement of grievance will be confidential.

**Section 4: Hearing Process**

All hearings conducted by the Unit Academic Grievance Committee shall be conducted confidentially in the following manner:

1. The grievant(s) and the respondent(s) must be present during the information gathering portion of the hearing. Witnesses will be available and will be called when needed. The committee reserves the right to allow the presence of a secretary or a technical assistant.
2. All statements during the information-exchange phase of the hearing will be tape recorded. This

record will be preserved in the University Archives for a minimum of five years and shall be confidential.

3. Any committee member may question any of the participants at the hearing.
4. The grievant will present his or her statements and/or witnesses to the committee.
5. The respondent will have the opportunity to question the grievant(s) and the witnesses about their statements.
6. The respondent will present his or her statements and/or witnesses to the committee.
7. The grievant will have the opportunity to question the respondent(s) about their statements.
8. After all information is exchanged, all persons except the committee members and the recording secretary will leave the committee room. The grievant(s), the respondent(s), and the witnesses will continue to be available to the committee should further information be needed.
9. The committee will meet in closed session to decide upon its recommendation(s) to the dean.
10. The committee shall submit its report with recommendation(s) and reasons for the recommendation(s), to the grievant(s), the respondent(s), and the dean. If the grievance directly involves the dean the report and recommendation(s) of the Unit Academic Grievance Committee shall be referred for decision to the appropriate academic vice president (now referred to as the University Provost).
11. The student's grievance will not be included as part of the student's record, unless it results in a change in student status or the student voluntarily inserts the information.
12. Until the grievance is resolved, the student may continue the natural academic progression through the academic unit subject to the requirements of Article 6.6, "Academic Review, Advancement, Probation, and Dismissal of Students," and Article 6.7, "Nonacademic Disciplinary Procedures," of The Redbook.

### **Section 5: Decision**

The dean shall approve or reject the committee's recommendation(s) within 28 days after receiving it (them). If decision of the dean is not in accord with the committee's recommendation(s), the dean shall state the reasons for that decision, in writing, to all persons directly involved in the grievance and to the committee. The dean shall then take appropriate action to implement his or her decision after the time for appeal has elapsed.

### **Section 6: Rehearing**

A grievance committee, within 21 days after delivery of its report, may be petitioned to reconsider its decision upon the basis of evidence of misrepresentation of materials, facts, or upon the basis of newly discovered evidence clearly not available at the original hearing.

## **Section 7: Appeal**

Any party to the grievance may appeal to the University Student Grievance Committee within 21 days from the date of the final decision of the dean if the dean's decision does not concur with the recommendation of the grievance committee.

### **Student Advocate**

The student advocate maintains confidential contacts with students, institutional officers, faculty and staff to offer informal, alternative means to resolve student complaints; to provide a "one-stop" contact for students who need advice and support in navigating through institutional policies, procedures and bureaucracy; and to negotiate institutional barriers so that students can be successful in school. The student advocate investigates and takes action for a timely resolution of complaints brought by students. The student advocate familiarizes students with unit policies and procedures in compliance with FERPA in order to improve student retention.

The student advocate works closely and cooperatively with student affairs offices, academic units, staff and faculty to maintain open lines of communication to promote available student services to students. Questions and concern may be addressed by e-mail to [advocate@louisville.edu](mailto:advocate@louisville.edu) or by phone to (502) 852-8113.

### **Student Grievance Officer**

The Student Grievance Officer is a tenured faculty member who is responsible for informing students of their rights and obligations under the University Student Grievance procedure. The Grievance Officer will assist the student in efforts to achieve informal resolution in as many academic or non-academic complaints as possible.

This service is available to all students. E-mail Professor Brenda Hart at [brenda@louisville.edu](mailto:brenda@louisville.edu).

### **Code of Student Conduct**

The University's Code of Conduct is the University's policy regarding nonacademic discipline of students. The primary purpose for the imposition of non-academic discipline in the University setting is to protect and preserve a quality educational environment in the campus community. The Board of Trustees has the authority to modify the Student of students is not covered by this Code, but rather falls within the jurisdiction of the individual academic units of the University.

The Code is set forth in writing in order to give students general notice on nonacademic prohibited conduct. This Code is on the web at [www.campuslife.louisville.edu/policies/studentconduct.html](http://www.campuslife.louisville.edu/policies/studentconduct.html) or contact the Dean of Students, SAC W301.

### **Code of Student Rights and Responsibilities**

## **Section 1. Purpose**

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, Residence Hall contracts, and academic unit bulletins. 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 University is a public educational institution for adults rather than a custodial institution. Consistent with the role of the University to educate its students and to stimulate student autonomy and independence, University regulation and supervision of student life on and off campus is limited. The University does not assume responsibility or liability for the conduct of its students; responsibility and liability for student conduct rests with the student as inherent attributes of his or her adult status, concurrently with the student's freedom of choice regarding his or her presence at the University and his or her own conduct and associations.

## **Section 2. Definitions**

When used in this Code:

- A. 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.
- B. The term "academic exercise" means a test, quiz, examination, speech, presentation, paper, field or laboratory work, or any other academic activity on which a student is evaluated.
- C. The term "group" means a number of persons who are associated with each other and who have not complied with the University requirements for recognition as an organization.
- D. The term "organization" means a number of persons who are associated with each other and who have complied with the University requirements for recognition.
- E. The term "student" means any person taking courses at the University, either full time or part time, pursuing undergraduate, graduate or extension studies on a regular quarter, semester, or summer term basis.
- F. The term "student broadcast" means oral material published on a student operated radio or television station.
- G. The term "student press" means either a student publication or a student broadcast.
- H. The term "student publication" means written material published by a student organization.
- I. The term "teacher" means any person hired by the University to conduct classroom activities. In certain situations, a person may be both "student" and "teacher." Determination of the person's status in a particular situation shall be determined by the surrounding circumstances.
- J. The term "University" means the University of Louisville and, collectively, those responsible for its control and operation.

### **Section 3.**

#### **Admission and Financial Aid**

All applicants for admission and financial aid to the University shall be considered without regard for race, color, national origin, religion, sex, handicap not affecting qualification, or political beliefs.

### **Section 4.**

#### **Classroom Rights and Responsibilities**

A. A student shall be evaluated on demonstrated knowledge and academic performance, and not on the basis of personal or political beliefs or on the basis of race, color, national origin, religion, sex, age, or handicap not affecting academic performance.

B. A student has freedom of inquiry, of legitimate classroom discussion, and of free expression of his or her opinion, subject to the teacher's responsibilities to maintain order and to complete the course requirements.

C. A student is responsible for fulfilling the stated requirements of all courses in which he or she is enrolled.

D. A student has the right: 1. to be informed in reasonable detail at the first or second class meeting about the nature of the course and to expect the course to correspond generally to its description in the appropriate University catalog or bulletin; 2. to be informed in writing and in reasonable detail at the first or second class meeting of course requirements and assignments;

3. to be informed in writing and in reasonable detail at the first or second class meeting of standards and methods used in evaluating the student's academic performance; 4. to be informed in writing of any necessary changes in assignments, requirements, or methods of grading during the semester with the reasons for such changes.

E. A student has the right to confidentiality in the student/teacher relationship regarding the student's personal or political beliefs. Disclosures of a student's personal or political beliefs, expressed in writing or in private conversation, shall not be made public without explicit permission of the student. Charges of violations of these classroom rights and responsibilities shall be handled through the appropriate academic unit level procedures.

### **Section 5.**

#### **Academic Dishonesty**

Academic dishonesty is prohibited at the University of Louisville. It 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, the

following:

A. Cheating:

1. Using or attempting to use books, notes, study aids, calculators, or any other documents, devices, or information in any academic exercise without prior authorization by the teacher.
2. Copying or attempting to copy from another person's paper, report, laboratory work, computer program, or other work material in any academic exercise.
3. Procuring or using tests or examinations, or any other information regarding the content of a test or examination, before the scheduled exercise without prior authorization by the teacher.
4. Unauthorized communication during any academic exercise.
5. Discussing the contents of tests or examinations with students who have not yet taken the tests or examinations if the instructor has forbidden such discussion.
6. Sending a substitute to take one's examination, test, or quiz, or to perform one's field or laboratory work; acting as a substitute for another student at any examination, test, or quiz, or at a field or laboratory work assignment.
7. Conducting research or preparing work for another student, or allowing others to conduct one's research or prepare one's work, without prior authorization by the teacher. Except when otherwise explicitly stated by the teacher, examination questions shall become public after they have been given.

B. Fabrication:

Inventing or making up data, research results, information, or procedures, such as:

1. Inventing or making up data, research results, information, or procedures.
2. Inventing a record of any portion thereof regarding internship, clinical, or practicum experience.

C. Falsification: Altering or falsifying information, such as:

1. Changing grade reports or other academic records.
2. Altering the record of experimental procedures, data,  
or results.
3. Altering the record of or reporting false information about internship, clinical, or practicum experiences.
4. Forging someone's signature or identification on an academic record.
5. Altering a returned examination paper in order to claim that the examination was graded erroneously.
6. Falsely citing a source of information.

D. Multiple Submission: The submission of substantial portions of the same academic work, including oral reports, for credit more than once without prior authorization by the teacher involved.

#### E. Plagiarism:

Representing the words or ideas of someone else as one's own in any academic exercise, such as:

1. Submitting as one's own a paper written by another person or by a commercial "ghost writing" service,
2. Exactly reproducing someone else's words without identifying the words with quotation marks or by appropriate indentation, or without properly citing the quotation in a footnote or reference.
3. Paraphrasing or summarizing someone else's work without acknowledging the source with a footnote or reference.
4. Using facts, data, graphs, charts, or other information without acknowledging the source with a footnote or reference. Borrowed facts or information obtained in one's research or reading must be acknowledged unless they are "common knowledge". Clear examples of "common knowledge" include the names of leaders of prominent nations, basic scientific laws, and the meaning of fundamental concepts and principles in a discipline. The specific audience for which a paper is written may determine what can be viewed as "Common knowledge": for example, the facts commonly known by a group of chemists will differ radically from those known by a more general audience. Students should check with their teachers regarding what can be viewed as "common knowledge" within a specific field or assignment, but often the student will have to make the final judgment. When in doubt, footnotes or references should be used.

F. Complicity in Academic Dishonesty: Helping or attempting to commit an academically dishonest act. The academic units may have additional guidelines regarding academic dishonesty. It is the student's responsibility to check with their teachers and academic units to obtain those guidelines.

### Section 6.

#### **Discipline Procedures for Academic Dishonesty**

Charges of academic dishonesty shall be handled through the appropriate academic unit level procedures. 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, pursuant to the provisions of the Student Academic Grievance Procedure; the Unit Academic Grievance Committee may not substitute its judgment on the merits for the judgment of the academic unit. 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. Within four weeks of receiving such a recommendation, the Provost shall issue a written decision.

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, pursuant to the provisions of the Student

Academic Grievance Procedure; the University Student Academic Grievance Committee may not substitute its judgment on the merits for the judgment of the Provost.

### **Section 7. Campus Expression**

- A. Students have the right of freedom of expression to the extent allowed by law.
- B. Students may picket or demonstrate for a cause, subject to the following conditions:
  - 1. The students must act in an orderly and peaceful manner.
  - 2. The students must not in any way interfere with the proper functioning of the University.
  - 3. Where students demonstrate in an area not traditionally used as an open public forum, the University reserves the right to make reasonable restrictions as to time, place, and manner of the student demonstrations.
- C. Students may distribute written material on campus without prior approval, providing such distribution does not disrupt the operations of the University or violate University rules.
- D. Students may invite to campus and hear on campus speakers of their choice on subjects of their choice; approval will not be withheld by any University official for the purpose of censorship.

### **Section 8. The Student Press**

- A. The student press is free to deal openly, fearlessly, and responsibly with issues of interest and importance to the academic community. There shall be no prior approval of student press content by the University.
- B. The student press is responsible for adhering to the canons of responsible journalism and for complying with the law. Student publications and broadcasts shall not publish libelous or slanderous matter, or any other content that violates the law.
- C. All student publications and broadcasts shall explicitly state that the opinions expressed are not necessarily those of the University or its student body.
- D. Students may not be disciplined by the University for their participation with the student press except for violations of University rules that are not inconsistent with the guarantees contained herein.

### **Section 9. University Facilities**

Appropriate University facilities shall be available to organizations within the University community for regular business meetings, for social programs, and for programs open to the public.

- A. Reasonable conditions may be imposed to regulate the timeliness of requests, to determine the

appropriateness of the space assigned, to regulate time and use, and to insure proper maintenance.

B. Preference may be given to programs designed for audiences consisting primarily of members of the University community.

C. Allocation of space shall be made based on priority of requests and the demonstrated needs of the organization.

D. Charges may be imposed for any unusual costs for use of facilities.

E. Physical abuse of assigned facilities may result in reasonable limitations on future allocation of space to offending parties and will require restitution of damages.

F. The organization requesting space must inform the University of the general purpose of any meeting open to persons other than members and the names of outside speakers.

### **Section 10. Use of University Name and Insignia**

No individual, group, or organization may use the University name or insignia without the express authorization of the University except to identify the University affiliation. University approval or disapproval of any policy or issue may not be stated or implied by any individual, group, or organization.

### **Section 11. Campus Residence Facilities**

Students have the right of privacy in campus residence facilities.

A. Nothing in the University relationship or residence hall contract may expressly or implicitly give the institution or residence hall officials authority to consent to search of a student's room or residence by police or other law enforcement officials unless they have obtained a search warrant.

B. The University reserves the right to enter a student's room in a residence hall or a student's apartment in a campus residence:

1. in emergencies where imminent danger to life, safety, health, or property is reasonably feared;
2. to make necessary repairs, improvements, or alterations in the facility;
3. to provide necessary pest control services;
4. to inspect the facility as deemed necessary by the University.

### **Section 12. Student Records**

The privacy and confidentiality of all student records shall be preserved in accordance with applicable

laws. The University shall establish and adhere to a clear and definitive records policy.

### **Section 13. Campus Organizations**

Organizations and groups may be established within the University for any legal purpose. Affiliation with an extramural organization shall not, in itself, disqualify the University branch or chapter from University privileges. A group shall become a formally recognized organization through procedures established by the Student Government Association, upon approval of the Vice President for Student Affairs.

A. Groups of a continuing nature must institute proceedings for formal recognition if they are to receive benefits from the University.

B. Recognition of an organization by the University infers neither approval nor disapproval of the aims, objectives, and policies of the organization, nor liability for the actions of the organization.

C. Membership in all University related organizations shall be open to any member of the University community who is willing to subscribe to the stated aims and meet the stated obligations of the organization, provided such aims and obligations are lawful.

D. Membership lists are confidential and solely for the use of the organization, except that names and addresses of current organization officers shall be reported to the University as a condition of continuing University recognition.

E. Any organization that engages in activities either on or off campus that are illegal or contrary to any University policy may have sanctions imposed against it, including withdrawal of University recognition.

### **Section 14. Promulgation of University Rules Affecting Students**

Rules and Policies affecting the students shall be published in Student Handbook, in the appropriate University bulletins, or in any other appropriate publication prior to their enforcement. Included in the Student Handbook are the following: Academic Grievance Procedure, Code of Student Conduct, Code of Student Rights and Responsibilities, Policy on Consumption of Alcoholic Beverages for Recognized Student Organizations, Hazing and Initiation Activities Policy, Non-academic Grievance Policy and the Sexual Harassment Policy. Copies of the Student Handbook are available from the Dean of Students Office.

#### **Plagiarism Prevention**

Instructors may use a range of strategies (including plagiarism-prevention software at the university) to compare student works with private and public information resources in order to identify possible plagiarism and academic dishonesty. Comparisons of student works may require submitting a copy of the original work to the plagiarism-prevention service. The service may retain that copy in some circumstances. Academic units or programs may establish a more rigorous standard of review or consent, which will be noted in the relevant guidelines.

#### **Student Handbook**

Other policies and information for students can be found in the Student Handbook.

### **Privacy of Student Records**

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 education 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 in detail 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 from the University Archives and Records Center,

Ekstrom Library and at <http://library.louisville.edu/uarc/stupriv.htm>.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Director, University Archives and Records Center.

### **Drug-Free Schools and Campuses**

The Drug-Free Schools and Campuses Regulations (commonly called Part 86 of EDGAR) require that higher education institutions receiving any federal funding must notify each student and employee annually of its program to prevent the illicit use of drugs and the abuse of alcohol by students and employees.

The following is the University of Louisville's Drug-Free Schools Notice: We, at the University of Louisville, have begun programs in the past few years to combat the misuse and abuse of alcohol and other chemical substances. We realize, however, that only through a concerted effort by all, can we make any major strides in preventing substance abuse.

### **Drug-Free Schools Notice**

As required by the Federal Drug Free Schools and Communities Act Amendments of 1989, you are hereby notified by the University of Louisville that on University premises or at University sponsored activities, the following acts are prohibited:

- (i) distribution, possession, or use of any illegal drug or controlled substance without legal authorization;
- (ii) providing alcoholic beverages to individuals under 21 years of age, or possession of alcoholic

beverages by individuals under 21 years of age; or

(iii) illegal possession of an open container of an alcoholic beverage, public intoxication, driving while intoxicated, and drinking alcoholic beverages in an unlicensed public place.

In addition to imposition of disciplinary sanctions under University procedures including suspension or separation from the University for such acts, students or employees may face prosecution and imprisonment under Federal and Kentucky laws which make such acts felony and misdemeanor crimes.

The Code of Student Conduct lists details of offenses and disciplines for students. Staff may be disciplined under Section 1 1.1 of the Staff Handbook. Faculty may be disciplined by Deans per Redbook Sections 4.5.3 or 3.2.2 with review per 4.4 for sanctions less than dismissal or suspension for one year.

The health risks associated with the misuse and abuse of mind altering drugs, including controlled substances and alcohol, include but are not limited to: physical and psychological dependence; damage to the brain, pancreas, kidneys and lungs; high blood pressure, heart attacks, and strokes; ulcers; birth defects; a diminished immune system; and death. The Counseling Center and Student Health Services provide assessment and referral services to University students, as well as serving as an alcohol and other drug information/education resources center. For further information, call 852-6585. Services for faculty and staff are available through the Faculty/Staff Assistance Program. For further information, call (502) 852-6543.

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# Graduate Programs and Professional Study

## **The Graduate School**

The Graduate School administers graduate degree programs in over 60 academic fields, including programs in education, basic medical sciences, nursing, public health, engineering, business and arts & sciences. There are over 60 master's level programs and 30 doctoral level programs available. For more information on the Graduate School, please call the Office of Research and Graduate Programs, 852-6495.

## **Professional Schools**

For information on preprofessional curriculum and admissions requirements of the professional schools, students should contact the Arts and Sciences Advising Center.

The University includes four professional schools: the School of Dentistry, the Brandeis School of Law, the School of Medicine and the Kent School of Social Work. Entrance requirements for the professional schools are as follows:

### **The School of Dentistry**

The School of Dentistry offers three degree programs. They are the Doctoral of Dental Medicine, Masters of Science in Oral Biology and a Bachelor of Science in Dental Hygiene. For the Doctoral degree, most applicants have earned a BA or B.S. degree prior to enrollment. Applicants must have a minimum of 90 college credit hours to apply to the DMD program. It is recommended that applicants complete a minimum of 32 hours of science course work, including courses in biology, general chemistry, organic chemistry and physics.

The Master's degree program in Oral Biology 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 U of L Graduate catalog.

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 admission to the Upper Division in the Dental School on the Health Sciences Center Campus.

More detailed information about admission requirements and application procedures may be obtained at the School of Dentistry website: [www.dental.louisville.edu](http://www.dental.louisville.edu) or by contacting the Office of Student Affairs, School of Dentistry, (502) 852-5081.

### **The Louis D. Brandeis School of Law**

The Brandeis School of Law offers a degree program leading to the Juris Doctor (J.D.) degree.

The program accommodates both full-time and part-time study. Full-time students complete the JD program in three years; part-time study can be completed in four years.

The School of Law also offers six double competence programs. The joint MBA/JD degree is offered in conjunction with the University's College of Business; the MSSW/JD is offered in cooperation with the Kent School of Social Work. The joint JD/MA in Humanities is offered in conjunction with the Division of Humanities of the Graduate School. The joint JD/Master of Divinity is offered in collaboration with the Louisville Presbyterian Theological Seminary. The joint JD/MA in Political Science is offered in conjunction with the Department of Political Science. The joint MUP/JD degree in Urban Planning and Law is offered in conjunction with the University's Department of Urban and Public Affairs.

Successful candidates for admission must have a baccalaureate degree from an accredited institution prior to enrollment. Candidates must also take the Law School Admission Test (LSAT) prior to admission. More detailed information about admission requirements and application procedures can be obtained at <http://louisville.edu/brandeislaw> or by calling the Office of Admissions, Brandeis School of Law, 852-6364.

The law touches many phases of life and no uniform pre-law curriculum or major is prescribed for undergraduates. A liberal arts education is emphasized as far more important than an education directed toward later professional training.

Academic preparation should include courses that emphasize critical thinking, analysis, writing, and communication skills. These skills are necessary for the study of law. Generally, students interested in pursuing a legal career may follow the major of their choice. Those most commonly chosen are Political Science, Business, English, History, and Philosophy.

Jasmine Farrier, Department of Political Science, Terry Edwards, Justice Administration, Tom Mackey, Department of History, College of Arts and Sciences, and Sherri Wallace, Advisor to the Thurgood Marshall Pre-Law Society, serve as Prelaw Advisors, assisting students in developing an integrated program of undergraduate studies tailored to their particular needs and interests, preparing for the Law School Admission Test, and choosing a law school suited to individual career objectives. The LSAT is normally taken in June following the Junior year or in the fall of the Senior year. Application packets are available from the Admission Office at the Brandeis School of Law and the Political Science Department. In the course of fulfilling requirements in their major fields, pre-law students are urged to include as many of the following as possible:

- Division of Humanities, Arts and Sciences
  - English 309, Advanced Writing\*
  - Philosophy 211, Critical Thinking
  - Philosophy 311, Introduction to Logic\*
  - Philosophy 322, Contemporary Ethical Problems
  - Philosophy 323, Medical Ethics
  - Philosophy 350, Philosophy of Law

- Division of Natural Sciences, Arts and Sciences

- Biology 263, Environmental Biology

- Biology 364, Genetics and Man

- Mathematics 109, Elementary Statistics

- Division of Social Sciences, Arts and Sciences

- Communication 111, Speech Communication

- Political Science 201, Fundamentals of American Government

- Political Science 202, Comparative Political Systems

- Any two of these:

- Political Science 312, Constitutional Law\*

- Political Science 313, Civil Liberties\*

- Political Science 314, Judicial Process\*

- Political Science 513 Politics of Law

- Psychology 383, Forensic Psychology

- History 315-316, American Constitutional History

- School of Business

- Accounting 201-202, Fundamentals of Accounting\*

- Economics 201-202, Principles of Economics\*

- **NOTE:** Most highly recommended.

## **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), commendations 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:

[www.aamc.org](http://www.aamc.org).

Upon receipt of the application from AMCAS the University of Louisville Medical School 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 of \$75.00 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 AMCS. More information about the application process can be obtained at <http://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. Absent special circumstances, an applicant must be a citizen or permanent resident of the United States to be considered for admission to the School of Medicine. Special circumstances may be considered where the applicant has a pending application for permanent residency status in the United States and A) is 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 and expect to remain in Kentucky indefinitely. All decisions as to whether special circumstances exist in a particular application for admission shall be made by the Dean or his designee." 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. MCAT applications are available via the AMCAS web site at [www.aamc.org](http://www.aamc.org). Students considering making application to medical school should contact the College of Arts & Sciences Pre-Health Professional Advising Committee for more information. Faculty members from different disciplines of the University are involved in this group. Open advising sessions are scheduled during the academic year. Students are provided information about the sequencing of required and recommended courses,

the admissions test and the application process and, at the time of application to medical school, may use services provided by the Advising Center in putting together their Premedical Recommendation Report.

**PreOptometry** There are no schools of optometry in Kentucky. However, Kentucky does have contracts with the following schools to reserve spaces (a total of 14) for students who are legal residents of Kentucky: the School of Optometry at Indiana University in Bloomington ([www.opt.indiana.edu](http://www.opt.indiana.edu)); the School of Optometry at the University of Alabama in Birmingham ([www.uab.edu/optometry](http://www.uab.edu/optometry)) and Southern College of Optometry in Memphis, TN ([www.sco.edu](http://www.sco.edu)). Admission is competitive and each school of optometry awards its contract positions to students who apply and are accepted into its program. Students admitted under the contract program will be charged reduced tuition with Kentucky paying the difference to the college for a maximum of four years. Students who are planning to apply to schools of optometry can fulfill the preoptometry course requirements at the University of Louisville. 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 Advising Committee (<http://louisville.edu/a-s/advising>) for more information. Open advising sessions are scheduled during the academic year.

**PrePharmacy** 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 ([www.mc.uky.edu/Pharmacy](http://www.mc.uky.edu/Pharmacy)) is the only school 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 UK College of Pharmacy 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.

Those holding bachelor's degrees or completing bachelor's degrees in biology and chemistry are particularly encouraged to apply. 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 Advising Committee (<http://louisville.edu/a-s/advising>) for more information. Faculty members from different disciplines of the university are involved in this group. Open advising sessions are scheduled during the academic year.

**PreVeterinary Medicine** 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](http://www.vetmed.auburn.edu)) and Tuskegee University School of Veterinary Medicine (2 spaces; [www.tuskegee.edu/Global/category.asp?C=41703](http://www.tuskegee.edu/Global/category.asp?C=41703)). Admission is competitive with selection made by the respective schools. Students admitted to either the Auburn or Tuskegee program will be charged

instate tuition, with Kentucky making a payment for each enrolling student for up to four years. Students planning to apply to schools of veterinary medicine can fulfill preveterinary 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. The University has an approved preveterinary curriculum for Auburn consisting of approximately three to three and a half years of college coursework with a heavy concentration in the natural sciences.

In the event the student is not admitted to professional school, the fourth year may be spent in completing requirements for a bachelor's degree with biology or chemistry obvious choices. The Graduate Record Exam is required for all Auburn applicants; the Veterinary Admission Test is required for Tuskegee applicants.

Students interested in making application to schools of veterinary medicine should contact the College of Arts and Sciences Pre-Health Professions Advising Committee (<http://louisville.edu/a-s/advising>) for more information. Open advising sessions are scheduled during the academic year.

## **The Kent School of Social Work**

The applicant must be a graduate of an accredited four-year college with a broad background in the liberal arts. A cumulative "B" average is preferred. The student's intellectual, emotional, and physical capacity to perform graduate work will determine admission. The admissions process includes the preparation of an application form, an autobiographical statement, submission of two certified copies of transcripts of all college work completed, and three letters of reference.

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# American with Disabilities Act

## **POLICY STATEMENT**

The University of Louisville is committed to providing equal opportunity for persons with disabilities. This commitment includes complying with the Americans with Disabilities Act of 1990 (ADA) and Sections 504 and 508 of the Rehabilitation Act of 1973. In addition, all of the University's websites and online courses will comply with the web page design standards established by the World Wide Web Consortium (W3C). The University of Louisville strives to maintain a barrier-free, welcoming environment for everybody.

The ADA Coordinator, located in the Affirmative Action Office (502 852-6688), will monitor compliance and advise unit heads in meeting equal opportunity obligations. 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 the University's long standing and continuing commitment to Equal Opportunity for persons with disabilities.

## **ADA / 504 Grievance Procedures**

The University has a continuing responsibility to monitor and address ADA compliance issues. Complaints should follow the procedure as indicated. The following internal grievance procedure provides for prompt and equitable resolution of complaints.

Complaints should be directed to Harvey Johnson, Director, Affirmative Action/Employee Relations, Human Resources, 1980 Arthur Street, (502)852-6688.

1. A complaint should be filed in writing, contain the name and address of the person filing it, and briefly describe the alleged violation. Upon receipt of the written notice of complaint, the Director of Affirmative Action/Employee Relations or his/her designee shall acknowledge receipt within five workdays.

2. A complaint should be filed within 180 days after the complainant becomes aware of the alleged violation.

3. An investigation, as may be appropriate, shall follow a filing of complaint. The Affirmative Action/Employee Relations office shall conduct the investigation. This

internal complaint procedure involves an informal but thorough investigation, affording all interested persons and their representatives, if any, an opportunity to submit evidence relevant to a complaint.

4. A written determination as to the validity of the complaint and a description of the resolution, if any, shall be issued by the AA/ER Office and a copy forwarded to the complainant.

5. The AA/ER Office shall maintain the files and records relating to the complaints filed.

6. The complainant can request a reconsideration of the case in instances where the person is dissatisfied with the resolution. The request for reconsideration should be made within 15 workdays to the AA/ER Office.

7. 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.

These rules shall be construed to protect the substantive rights of interested persons to meet appropriate due process standards, and to assure that the University complies with the ADA and implementing regulations.

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# **College of Arts and Science**

**Introduction and History**

**Structure of the College**

**Admission Policies and Procedures**

**Academic Advising and Registration Information**

**Other Academic Policies**

**Student Conduct, Discipline and Grievance Policies**

**Graduation and Degree Requirements**

**General Requirements for Baccalaureate Degrees**

**University General Education Requirements and College Programmatic Requirements**

**Code of Faculty Responsibilities**



**Faculty and Department Information**





# Introduction and History

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 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 selected graduate programs, the College of Arts and Sciences has an integral role in the fulfillment of the University 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 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 seven 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 reexamination of itself, and in its willingness to change when change would further the welfare of its students, its faculty, and its community.

The following persons have served as deans of the College:

- John L. Patterson, 1908-1922
- Warwick M. Anderson, 1923-1928
- S. M. Whinery, 1928-1929
- E. B. Fowler (Acting Dean), 1929-1930
- J. J. Oppenheimer, 1930-1957
- Guy Stevenson (Acting Dean), 1957-1959
-  -Richard L. Barber, 1959-1972
- Martin R. Baron (Acting Dean), 1972-1973

- Thomas H. Crawford (Acting Dean), 1973-1974
  - Arthur J. Slavin, 1974-1977
  - William G. Bos (Acting Dean), 1977-1978
  - Lois S. Cronholm, 1979-1985 (Acting Dean, 1978-1979)
  - Joseph C. Deck (Acting Dean), 1985-1987
  - Victor A. Olorunsola, 1987-1990
  - Thomas J. Hynes, Jr. (Interim Dean), 1990-1996
  - David A. Howarth (Acting Dean) 1996-1997
  - Randy Moore, 1997-1999
  - Shirley C. Willihnganz, 1999-2000
  - James F. Brennan, 2000-2004
  - J. Blaine Hudson, 2005- (Acting Dean, 2004-2005)
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# Structure of the College

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 course work from several disciplines. Most departments, and some programs, offer curricula leading to baccalaureate degrees. Most of the departments also offer the master's degree, and the Departments of Biology, Chemistry, English, Fine Arts, Mathematics, Psychology, and Urban and Public Affairs offer the Ph.D. The Department of Theatre Arts offers an M.F.A.

These are the departments of the College:

## **I. The Division of Humanities includes the Departments of:**

English

Classical and Modern Languages

Fine Arts

Philosophy

Theatre Arts

## **II. The Division of Natural Sciences includes the Departments of:**

Aerospace Science

Biology

Chemistry

Mathematics

Military Science

Physics

## **III. The Division of Social Sciences includes the Departments of:**

Anthropology

Communication

Geography and Geosciences

History

Justice Administration

Pan-African Studies

Political Science

Psychology

Sociology

Urban and Public Affairs

Women's and Gender Studies

## **Degrees and Programs Offered by the College of Arts and Sciences**

### **Bachelor of Arts with Majors in:**

Anthropology

Art

Art History

Biology

Chemistry

Communication

English

French

History

Humanities

Liberal Studies

Mathematics

Pan-African Studies

Philosophy

Physics

Political Science



Psychology

Sociology

Spanish

Women's and Gender Studies

**Bachelor of Science with Majors in:**

Biology

Chemistry

Communication

Geography

Justice Administration

Mathematics

Pan-African Studies



Physics

Political Science

Psychology

Sociology

Social Work

Theatre Arts

Women's and Gender Studies

**Bachelor of Fine Arts with Major in:**

Art

**Associate in Arts with Major in:**

Paralegal Studies



**Graduate Degree Programs**

Most departments in the College of Arts and Sciences offer course work leading to the master's degree, and the Departments of Biology, Chemistry, English, Fine Arts, Humanities, Mathematics, Psychology, and Urban and Public Affairs offer doctoral programs. The Department of Theatre Arts offers the

M.F.A. in Theatre Arts. Graduate students in those programs are taught by the faculty of the College of Arts and Sciences who are also members of the Graduate School faculty. The combination of undergraduate and graduate work in most of the College's departments enriches the intellectual environment for undergraduate and graduate students. Graduate degrees are conferred by the faculty of the Graduate School. Interested students are referred to the Catalog of the Graduate School for a complete listing of graduate programs offered through Arts and Sciences departments and for admission and degree requirements for graduate programs. Students should contact the chair of the Arts and Sciences department in the selected field for specific departmental requirements.

Students who, at the beginning of any term, are within 6 semester hours of receiving the baccalaureate degree may register for graduate-level courses in addition to the courses required for obtaining the baccalaureate degree, provided they have the approval of the major department and of the Dean of the College of Arts and Sciences and the Dean of the Graduate School.

### **Accelerated Master's Degree Program**

Some Departments within the College of Arts and Sciences offer accelerated master's degree programs. This special opportunity for well-prepared students offers the advantage of an early start in graduate work. The following rules apply to all accelerated master's degree programs. Individual departments may further specify their programs.

## **Admission to the program**

Students must apply for admission to an accelerated master's program no later than the end of their junior year. Students must have a minimum of 3.35 GPA and must complete the GRE and any additional departmental requirements for admission to the graduate program.

## **Degree Requirements**

Students pursuing an accelerated master's degree may take a maximum of nine hours in course work that both meets the undergraduate degree requirements and can count toward the hours required for the master's degree. Students in an accelerated master's program may apply for graduation with a baccalaureate degree after completing the course work requirements for admission into the master's program and additionally completing the first nine hours of graduate work.

## **Non-degree Programs and Minors**

In addition to programs leading to degrees, the College offers areas of concentrated course work through non-degree interdisciplinary programs and through minors. The course work offered through such non-degree interdisciplinary programs as Religious Studies, Latin American Studies, and Social Change permits students to develop insights into relationships among various disciplines. While the curriculum of a non-degree interdisciplinary program does not lead to a degree in that program, the courses are applicable to degree requirements and electives. The curriculum for a minor is designed to provide an area of concentration in addition to the concentration associated with the major degree

program. Minors may be established by degree-granting or non-degree granting units of the College. See the appropriate program section for available minors.

## **Administrative Officers of the College of Arts and Sciences**

### **Dean**

J. Blaine Hudson, Ed.D.

### **Associate Dean**

Robert Buchanan, Ph.D.

### **Associate Dean**

Julia C. Dietrich, Ph.D.

### **Associate Dean**

John P. Ferré, Ph.D.

### **Assistant Dean**

Tomarra Adams, Ph.D.

### **Assistant Dean**

James R. Carter, Ph.D.

### **Assistant Dean**

Roselle Taylor, Ph.D.

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# Admission Policies and Procedures

## 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, postbaccalaureate 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.



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.

Students admitted on a matriculated basis remain matriculated until they graduate, transfer to another college, or are dismissed.

## Entering Arts and Sciences Freshmen Students

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

1. 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.
2. Completion of the Pre-College Curriculum (State of Kentucky) (see “Minimum Admission Standards for Public Universities in Kentucky/Pre-College Curriculum” in the General Information section of this catalog.)
3. 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 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 Admissions and Appeals Committee. Students admitted by action of the College 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 section 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. Students whose ACT College Reading scores are 18 and below or whose SAT I verbal scores are 430 and 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 General Education 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.

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 and below or whose SAT I Verbal Scores are 430 and 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 General Education 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 101: A & S Orientation;
2. Successful completion of any 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 a minimum grade point average of 3.0, test scores on the ACT or SAT in the top 70th percentile, and a recommendation letter from the 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:**

1. 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 General Information section of this catalog);

AND

2. Good standing in the institution of last attendance, including eligibility to return to that institution;

AND

3. 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

1. Remain in special status with limited load as specified by the Admissions and Appeals Committee for a minimum of 24 semester hours.
2. 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.
3. Removed from special status after 24 semester hours if the cumulative grade point average is 2.0 or above.
4. Suspended if the 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**

1. 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.

2. 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 two-year college are advised to complete the lower level portion of the College's General Education requirements and the foreign language series prior to transferring. 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 Policies**

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 of a "C" or better for certain degree requirements.

Work graded "Pass" will not count toward fulfillment of General Education requirements, the language requirement, or requirements specified in the student's major program.

Credits granted on the basis of examination and posted on an official transcript from a fully accredited institution must be accompanied by a minimum of 24 additional degree applicable semester hours (or the equivalent) completed at that institution.

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.

The College will accept no more than 24 semester hours toward the 121 hours required for a degree which is completed by correspondence and/or extension work (which includes college credits earned as a high school visitor at another institution). Work taken beyond the 24 hours may, however, be applied toward General Education or other requirements.

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.)

## **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. Beginning applicants and transfer applicants who have completed less than one full academic year of postsecondary credit (fewer than 24 semester hours of acceptable transfer credit) must submit test scores from the American College Testing (ACT) program. Refer to the General Information section of

this catalog for more information.

## **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 "Audited Courses")

## **Awarding of Credit through Placement Examinations**

### **Advanced Placement Examinations of The College Board**

In accord with Senate Bill 74, 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. Those scores and course equivalencies are listed below. Elective credit will be awarded for Advanced Placement Examinations not listed here 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.

### **Art and Art History**

Three hours credit awarded for scores of 4 or 5 on the Studio Art "2-D Design" portfolio. May be used in place of Art 105, Foundation 2-D Design.

Three hours credit awarded for scores of 4 or 5 on the Studio Art "3-D Design" portfolio. May be used in place of Art 106, Foundation 3-D Design.

Three hours credit awarded for scores of 4 or 5 on the Studio Art "Drawing Portfolio" may be used in place of Art 115, Foundation Drawing I.

Three hours credit awarded for scores of 4 or 5 on "History of Art." May be used in place of Art History 250, Ancient to Medieval Art

### **Biology**

Three hours credit awarded for scores of 3, 4, or 5. May be used in place of Biology 102, Introduction to Biological Systems.

### **Chemistry**

Three hours credit awarded for scores of 3. May be used in place of Chemistry 201, General Chemistry I. Six hours credit awarded for a score of 4 or 5. May be used in place of Chemistry 201 and 202, General Chemistry I and II.

### **English**



Three hours credit for a score of 3 on the examinations for either “Literature and Composition” or “Language and Composition.” May be used in place of English 101, Introduction to College Writing. Six hours credit for a score of 4 or higher. May be used in place of English 101-102, College Writing.

## **Environmental Science**

Three hours credit awarded for scores of 3, 4, or 5. May be used in place of Biology 263, Environmental Biology.

## **History**

Three hours credit awarded for scores of 3, 4, or 5 in European or World history. Either may be used in place of History 102, History of Civilizations II.

Six hours credit awarded for scores of 3, 4, or 5 in American history. May be used in place of History 211-212, American History I and II.

## **Geography**

Three hours credit awarded for scores of 3, 4, or 5 on the examination in Human Geography. May be used in place of Geography 200, Power of Place.

## **Mathematics**



Three hours credit awarded for scores of 3 or above on the examination in Statistics. May be used in place of Mathematics 109, Elementary Statistics.

Three hours credit awarded for a score of 3 on the Calculus AB examination. May be used in place of Mathematics 180, Elements of Calculus I.

Four hours credit awarded for scores of 4 or 5 on the Calculus AB examination. May be used in place of Mathematics 205, Calculus I.

Eight hours credit awarded for scores of 4 or 5 on Calculus BC examinations. May be used in place of Mathematics 205-206, Calculus I and II.

## **Modern Languages and Latin**

Six hours credit for scores of 3, 4, or 5 in French, German, Latin or Spanish. May be used in place of the courses indicated below:

French Language: French 320 and 322

French Literature: French 313 and 455



German: German 321 and 322

Latin: Latin 201 and 202

Spanish Language: Spanish 201 and 202

Spanish Literature: Spanish 313 and 355

## **Physics**

Eight hours credit awarded for scores of 3, 4, or 5 on the Physics B examination. May be used in place of Physics 221-222, 223-224, Fundamentals of Physics.

Five hours credit awarded for scores of 3, 4, or 5 on the Physics C-MECH examination. May be used in place of Physics 295, Introductory Laboratory I and Physics 298, Introductory Mechanics, Heat, and Sound.

Five hours credit awarded for scores of 3, 4, or 5 on the Physics C-E&M examination. May be used in place of Physics 296, Introductory Laboratory II and Physics 299, Introductory Electricity, Magnetism and Light.

## **Political Science**

Three credit hours for a score of 4 or 5 on the examination in Government and Politics: US or Government and Politics: Comparative may be used in place of POLS 201 or or POLS 202, respectively. Three credit hours per exam for a score of 3 may be used as political science elective hours.

## **Psychology**

Three hours of credit awarded for scores of 3 or higher on the Psychology examination. May be used in place of Psychology 201.

## **College Level Examination Program of The College Board**

The College 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. For information see <http://www.louisville.edu/student/services/testing/clep.html>

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 are given below. Credit earned through CLEP does not count as credit earned in residence at the University of Louisville.

## **Biology**

Three hours credit in biology awarded for score of 50 or higher on the CLEP Subject Examination in General Biology. May be used in place of Biology 102, Introduction to the Biological Systems.

## **Chemistry**

Six hours credit allowed for score of 50 or higher on the CLEP Subject Examination in General Chemistry. May be used in place of Chemistry 201 and 202, General Chemistry I and II.

## **English**

CLEP Examination in English Composition is not accepted. Consult the Department for placement with credit options (fee required).

## **History**

Three hours credit awarded for a score of 54 or higher or on the subject examination in History of the U.S. I, to be used in place of History 211.

Three hours credit awarded for a score of 55 or higher or on the subject examination in History of the U.S. II, to be used in place of History 212.

Three hours credit awarded for a score of 57 or higher or on the subject examination in Western Civilization I, to be used in place of History 101.

Three hours credit awarded for a score of 56 or higher or on the subject examination in Western Civilization II, to be used in place of History 102.

## **Mathematics**

Three hours credit awarded for score of 50 or higher on CLEP Subject Examination in College Algebra. May be used in place of Mathematics 111, College Algebra.

Four hours credit awarded for score of 50 or higher on CLEP Subject Examination in College Algebra-Trigonometry. May be used in place of Mathematics 190, Pre-Calculus.

Four hours credit awarded for score of 50 or higher on CLEP Subject Examination in Calculus. May be used in place of Mathematics 205, Calculus I.

## **Modern Languages**

Twelve hours credit awarded for a score of 50 or higher on CLEP subject examination in French, German or Spanish. May be used in place of the following:

-French 121, 122, 123 -German 121, 122, 221 -Spanish 121, 122, 123

## **Psychology**

Three hours credit awarded for a score of 55 or higher on the CLEP Subject Examination in Introductory Psychology. May be used in place of Psychology 201, Introduction to Psychology.

## **Sociology**

Three hours credit awarded for a score of 50 or higher on the CLEP Subject Examination in Introductory Sociology. May be used in place of Sociology 201, Introduction to Sociology.

## **International Baccalaureate**

The College awards academic credit to entering freshmen who have completed the International Baccalaureate (IB) Program. Credit will be awarded for certain IB Higher Level examinations completed with a score of 5 or higher, up to a maximum of 24 semester hours.

**Anthropology:** 3 hours credit awarded for examination on "Social Anthropology." May be used in place of Anthropology 201.

**Biology:** 3 hours credit awarded. May be used in place of Biology 102.

**English:** Six hours credit awarded. May be used in place of English 101 and 102.

**Geography:** 3 hours credit awarded for examination on "Individuals and Societies." May be used as elective credit in Geography.

**History:** 3 hours credit awarded. May be used in place of History 102.

**Mathematics:** 4 hours credit awarded. May be used in place of Mathematics 205.

**Modern Languages:** May be used in place of the intermediate level of the foreign language (French 123 or Spanish 123). 12 hours credit will be awarded only after successful completion of the subsequent course in the language sequence (French 320 or Spanish 201).

Credit for IB examinations in other subject areas requires consultation with the appropriate department.

## **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 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 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 she/he is placed. A student placing in the 300 level will receive 12 hours of PASS for 121, 122, 123, or 221 (depending on the language) upon successful completion of a 300-level class in the language. (Eighteen hours of credit by placement are available in Spanish for students who test into 321, 322, or 355.) 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 this is the 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 the coordinator of the Interpreter Training Program, 300 Robbins Hall, (502) 852-4607.

## **Awarding of Credit for Nontraditional Work**

The College is eager to aid superior students who are capable of demonstrating competence in courses without regular class attendance and the customary participation of students during that attendance. For such students, credit may be earned in any course in this catalog through Conference Work or Extramural Examination provided that the students meet the requirements given below:

### **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. The requirements for conference work are: 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; 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.

### **Extramural Examinations**

Extramural examinations allow students to fulfill course requirements by meeting criteria established and evaluated by a special examining committee. Extramural 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 extramural examination are:

1. Students must first obtain the approval of the chair of the department in which they propose to earn credit through extramural examination, specifying why credit by extramural examination would be justified in their programs.
2. Students must obtain an application for extramural examination from the College Advising Center and return the completed form to the Center.

3. Students must pay one half the regular fees for the course.
4. 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.
5. Students must take both a written and an oral examination.
6. 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.
7. Students must be enrolled concurrently in the College for a minimum of 6 semester hours of regular course work.

Credits earned by conference work and by extramural examination are counted in the student's regular load, which must not exceed 17 semester hours per semester. (See "Normal and Maximum Course Loads.")

## **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:

1. 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;
2. A minimum grade point average of 2.5 for all coursework taken; and
3. A completed Application for Enrollment in Cooperative Internship Form.

Transfer students must have completed one full semester of work (12 hours) at the University of Louisville.

A maximum of twelve credits of Internship (including hours earned in General Studies 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**

Superior 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. Independent Study consists of a minor research project conducted under the direction of a faculty member. Students obtain forms for Independent Study from the College Advising Center. 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 17 credit hours per semester.

## **Catalog Year**

Students pursuing an undergraduate degree shall meet the degree requirements in effect at the time of their first admission to any degree-granting unit of the University provided they have not had a break in enrollment of two or more calendar years. If a student has a break in enrollment of two or more calendar years, that student must apply for readmission and, if admitted, will be subject to catalog requirements in effect at the time of readmission. Students may elect to follow the most recent degree or program requirements established subsequent to their initial entry into a degree-granting unit. The University reserves the right to issue and require immediate compliance with new requirements as may be needed to respond to certification, licensure, and accreditation issues.

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# Academic Advising and Registration Information

## Academic Advising

The Academic Advising Center of the College is the academic resource center for the student. The advising staff is a team of professional counselors who assist in planning programs of study, coordinating registration of courses, and providing guidance and referral services.

Academic advising assists students:

- in selecting appropriate required and elective courses
- in determining choice of major
- who are experiencing academic difficulties in their course work.

Students are expected to know the requirements for graduation through the information available in this catalog and through published addenda to this catalog.



Students who have been accepted to a major are expected to obtain advising from the faculty advisors in the department of the major. This opportunity to discuss the program with a faculty member is a very important part of the total college experience. Students should contact the department to determine the appropriate faculty advisor and the advisor's office hours.

The College also provides preprofessional advice for students interested in careers in the law and in health-related fields. The names of the appropriate pre-professional advisors may be obtained from the Advising Center.

For further information about advising in the College and for appointments with staff of the Advising Center, call 852-5502 (Freshman/Sophomore Advising) or 852-6487 (Junior/Senior Advising) or write to the College of Arts and Sciences Advising Center, Gardiner Hall, University of Louisville, Louisville, KY 40292. Information about the College may also be found at <http://www.louisville.edu/a-s>.

## Registration Procedures

Freshman students with fewer than 24 earned hours, first-semester transfer students, and students with 45 or more earned program hours who have not formally applied for and been accepted into a major program must be advised by a College Advisor before registering for classes. (Visiting students and post-baccalaureate students are not subject to this requirement.) The Student Information System will not permit students for whom advising is required to register for courses until completion of the advising requirement has been entered in the Student Information System.



## Adding Classes and Withdrawing from Classes

Students may add courses to their schedules during official registration periods. Dates are specified in the Schedule of Courses for each semester. Students are permitted to withdraw from classes during the first eight weeks of the semester or the equivalent, depending on course length; specific deadlines are

published in the Schedule of Courses and may be indicated on the course syllabus. The deadline for changing from credit to audit status or from audit to credit status in a course is the University deadline for adding courses. The deadline for changing from letter grade to pass/fail, or pass/fail to letter grade is the same as for withdrawing from courses. Such changes require the processing of a drop/add form signed by both the course instructor and an advisor in the Academic Advising Center.

Students may add and/or withdraw from classes at other times only upon approval of petitions submitted to the College's Admissions and Appeals Committee. The necessary petition forms are available in the Arts and Sciences Advising Center. Students are required to demonstrate in their petitions that special circumstances justify their requests.

Failure to withdraw officially from a course may result in a grade of "F."

Missing grades are changed to failing grades one year after the completion of the semester in which the course was taken.

## **Repetition of Courses**

Students who receive a grade of F, D, or C may repeat a maximum of four (4) such courses for which only the last grade attained will be calculated in the grade point standing. A course in which the grade was D or C may be repeated only once. Each attempt of a repeated course in excess of the four permitted by this policy will be calculated in the grade point standing. A repeat form must be filed with the Arts and Sciences Advising Center to activate this option. For courses retaken for which this option is not requested, both grades will be used in grade point calculation.

It is not necessary for students to repeat courses they have failed unless those courses are specifically required for graduation. Since C and D are passing grades and may be applied toward graduation requirements, students are advised to weigh carefully the possible advantages of improving their standings versus the possible disadvantage of discarding hours already earned.

Students who elect to repeat a course under the above regulation should understand that the course can count only once as credit toward graduation and that all grades earned for the course will be shown on their transcripts.

For the purpose of assigning graduation with College Honors, both the original grade and the replacement grade in repeated courses will be included in the expanded grade point average. This policy also applies to grades earned in semesters for which academic bankruptcy has been approved.

Permission usually will not be granted for a student to repeat lower level courses after a higher level course in the sequence has been passed.

## **Audited Courses**

Audited courses do not earn credit. The transcript will indicate that the course was taken as an audit. Instructor approval is required to enroll in a course in audit status and enrollment in audit status is not permitted during Early Registration. Auditors need to discuss with the faculty member offering the course the work expected to warrant the audit (AU) designation on the transcript. Auditors who do not fulfill the work expectations may be withdrawn from the course. Students who have registered as auditors will not receive credit for the course unless their registration has been changed officially from audit to credit by the published deadline for such change. Students admitted to the College as

“Auditors” are not eligible to take courses for credit and they 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. 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 the College Advising Center or the faculty advisor in their major department to determine if registration as auditors will satisfy the intended purposes. 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 College on a basis that confers eligibility to take courses for credit. If a student takes a course for both audit and credit, the transcript will show both entries.

## **Pass/Fail Courses**

Arts and Sciences students who have completed 60 or more semester hours of degree applicable credit and who have a 2.00 grade point average may take one elective course each semester outside the major field on a pass-fail basis. Courses used in fulfillment of General Education requirements and the language requirement may not be taken on a pass-fail basis. Courses required by a major program may not be taken on a pass-fail basis unless the department offering the course has specifically designated the course for pass-fail credit only. The instructor's consent is required to enroll on a pass-fail basis in any course that is also offered on a letter grade basis. To avoid the drop-add procedure to change from letter grade to pass-fail in a course, students are advised to obtain permission before registering. Forms may be obtained from the Arts and Sciences Advising Center.

Students planning to pursue teacher certification should consult the College of Education Advising Center before electing to take a course pass-fail.

## **Normal and Maximum Course Loads**

The normal program of studies in the fall and spring semesters is 15 semester hours, and the maximum load is 17 semester hours. Students who have completed a minimum of 30 hours at U of L and who have a cumulative grade point average of at least 3.0 may obtain permission to take more than 17 hours from the Arts and Sciences Advising Center. All other students must petition the Admissions and Appeals Committee for permission for an overload. The recommended maximum load in summer sessions is 7 semester hours in each of the five-week terms. Students with a 3.0 grade point average at the University of Louisville may take a total maximum of 17 hours in the summer sessions with no more than 9 hours in any one five-week term. 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.

## **Course Availability**

All courses offered through the 599 level in this College at the time of the printing of this catalog are listed under the departments and programs offering the courses. Courses beyond the 599 level are listed and described in the Graduate Catalog.

Following the listing of courses in this catalog some departments list the semesters in which they plan to offer the course. However, courses may not always be offered according to the plans in effect when this catalog was prepared. The Schedule of Courses is the most reliable guide to courses planned for each semester or summer session.

The College reserves the right to cancel without prior notice any courses listed in this catalog or in the

Schedule of Courses, and to withdraw any course which does not have an adequate enrollment at a reasonable time during the registration period for the semester. The College 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 College cannot guarantee that such delay will not occur.

Independent study, practicum, and reading courses are available by arrangement with the chair of the department or appropriate faculty member.

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# Other Academic Policies

## Awards, Scholarships and Honors

### Dean's Scholars and Dean's List

A student who completes in one semester (fall, spring, summer) twelve or more graded credits in courses numbered 100-level or above with all grades of "A" and no grades of A- or below, or I, X, or U, is named a Dean's Scholar. [A grade below A in a course below the 100-level will also disqualify a student for this designation. Courses graded P do not apply toward the 12 hour minimum required for eligibility for this designation.]

A student who completes in one semester (fall, spring, summer) twelve or more graded credits in courses numbered 100-level or above with a 3.5 grade point average and with no grade of C- or below or I, X, or U, is named to the Dean's List. [A grade below C in a course below the 100-level will also disqualify a student for this designation. Courses graded P do not apply toward the 12 hour minimum required for eligibility for this designation.]

A student who meets either of these standards in one semester will be awarded the appropriate honor through ordinary clerical procedures in the Office of the Dean. A part-time student who meets the standards for Dean's Scholar or Dean's List in a series of semesters (fall/spring/ summer) in the College of Arts and Sciences, consecutive from the standpoint of the student's enrollment, may petition through the Arts and Sciences Advising Center for award of the appropriate honor. Such petitions must be made within one semester of meeting the requirement. All hours earned in the final semester of the series will be counted, and hours earned in any one semester may not be counted more than once toward either honor.

### Grade Point Average

The University of Louisville calculates a University Grade Point Average which is the standard measure of performance and the official university calculation upon which academic decisions (e.g., probation, suspension, eligibility for graduation) are made. The University Grade Point Average is determined at the undergraduate level, based upon all undergraduate course work taken at the University of Louisville.

Courses numbered below the 100-level (000-099) taken in the 1998 Fall semester or later will not be used in the earned hours or University Grade Point Average calculation.

The grade point average is determined by dividing the total number of quality points earned in the courses to be averaged by the total number of semester hours attempted in those courses. Only courses in which a student has earned grades of A, B, C, D, and F count in determining the number of hours attempted.

Grades earned in courses taken at other institutions are not counted in determining a student's University of Louisville grade point average; however, the policies of individual departments or programs may require that grades in specific courses be at the level of "C" or above to fulfill degree requirements, regardless of where they were taken. For grade point average requirements for graduation with college honors, see "Graduation with College Honors," page 30.

## **Definition of Satisfactory Standing**

To make satisfactory progress, students must maintain a cumulative average of at least 2.0. To graduate, students must attain a 2.0 grade point average in the major department and a 2.0 grade point average overall, unless a higher average is required for the specific degree sought. All point-standing calculations are made on cumulative, end-of-term grades.

## **Warning, Probation, Suspension, and Readmission**

Students are in Satisfactory standing when they have a minimum cumulative grade point average of 2.0. Visiting students enrolled in the College of Arts and Sciences are subject to the same standards for retention as matriculated students.

Students who, after the first 12 degree-applicable hours at the University of Louisville, have a grade point average below 2.0 will be placed on Academic Warning. 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.

In any subsequent semester, a student whose grade point average falls below 2.0 will be placed on Academic Probation for the next semester of enrollment. The enrollment of students on probation is 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 may also be subject to specified course registration requirements, or other actions deemed appropriate by the College.

The record of a student on Academic Probation will be evaluated at the end of the probationary semester, with one of the following outcomes:

- a student whose cumulative grade point average is 2.0 or above will be restored to Satisfactory standing.
- a student whose grade point average for the probationary semester is 2.0 or above, but whose cumulative grade point average remains below 2.0 will be retained on Probation.
- a student whose cumulative grade point average is still below 2.0 and who earned a semester grade point average below 2.0 will be placed 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.

No work completed at another college during the period of suspension will be accepted for credit in the College.

Readmission of suspended students is not guaranteed. In order to be considered for readmission, a student must submit a written petition to the Committee on Admissions and Appeals and an "Application for Undergraduate Admission" to the Office of Admissions. The petition must be received by that office no later than July 1 for readmission for the fall semester, November 1 for readmission for the spring semester, and May 1 for readmission for the summer terms. The petition should address the student's perception of the causes of poor performance, the steps the student has taken to address those causes, and a plan of action to return to satisfactory academic standing. Students who are

granted readmission will be readmitted on Probation.

University policy permits students who are suspended or dismissed by an academic unit to apply for admission to another degree-granting unit whose minimum admission standards they meet. However, students are cautioned that if admitted to another unit, they may not enroll in any courses in the unit from which they were suspended or dismissed.

A student will not be readmitted more than twice. A third suspension constitutes an Academic Dismissal from the College.

Students have the responsibility to know their current academic status. The College routinely notifies students when their status changes, but such notification may not be possible before the beginning of the next semester. Any student enrolled for courses during a semester of suspension/ dismissal will be required to disenroll.

## **Making Up Incompletes**

Students unable to complete course work because of conditions beyond their control, in particular because of severe illness, may be granted an "Incomplete" so that the work can be completed. The "Incomplete" was not created to prolong the available time in a semester for students who fall behind for reasons under their control. Instructors are required to demonstrate that the proper conditions were met for students receiving an "Incomplete."

Those conditions are:

The majority of the course work was completed by the end of the semester; AND

The performance in course work completed by the end of the semester met the published standards for a passing grade; AND

The final portion of the course work could not be completed for reasons beyond the student's control.

Instructors' requests for documentation of the extenuating circumstances must be honored by the student.

Students must complete the course work no later than the end of the next regular semester (by the next fall if the incomplete was given in a spring or summer semester; by the spring semester of the same academic year if incompletes were given in the fall semester). Failure to complete the work by the deadline will result in an automatic change of grade from "I" to "F" unless the Dean grants an extension. If the work is completed by the deadline, the instructor will submit a change of grade from "I" to the letter grade earned. The change of grade forms will not be accepted if delivered by the student.

## **Concurrent Registration in Another Institution**

Students matriculated in the College of Arts and Sciences who wish to enroll in courses at another institution must obtain permission from this College. Such students should contact the Arts and Sciences Advising Center for that permission.

If the student wishes to enroll concurrently in this College and at another college or university, he or she must report all attendance to the Registrar's Office at the time of registration. The combined

program of work in all institutions may not exceed the maximum course load permitted for students in the College.

Failure to fulfill these regulations may result in loss of credit from this College or in ineligibility to transfer the credits from the other schools toward the requirements for graduation from this College.

## **Metroversity Courses**

See the General Information section of this catalog for information on enrolling in Metroversity courses. Because the courses of the member institutions differ, not all courses available through this plan meet this College's requirements. Students should consult with the Arts and Sciences Advising Center to determine whether specific Metroversity courses that interest them will meet this College's requirements.

## **Academic Bankruptcy**

"Academic Bankruptcy" allows students who are returning to college after remaining out for an extended period to void one or more entire semesters of previous college work.

If the student meets the following criteria and if the Admissions and Appeals Committee finds there are extenuating circumstances which warrant such action, the committee may rule the student eligible to declare academic bankruptcy. To be eligible the student:

must not have attended any college or university during a period of two calendar years immediately preceding this readmission;

AND

must state in writing the intention to declare bankruptcy, specifically designating the term or consecutive sequence of terms to which the bankruptcy process is to apply.

The student must attain at least a 2.5 quality point standing in all degree applicable courses while attempting the first 12 hours after readmission. (All courses taken during the term in which the twelfth-hour minimum is attained will be considered in determining eligibility for bankruptcy.) After these 12 hours have been attempted, the student must petition the Admissions and Appeals Committee for academic bankruptcy, designating the term or consecutive sequence of terms to which the bankruptcy process is to apply.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations, but will remain on the student's transcript. Academic actions, such as probation or dismissal, recorded at the end of the voided terms, will also remain.

NOTE: Grades earned in semesters for which academic bankruptcy has been approved are counted in the student's Expanded Grade Point Average to determine eligibility for graduation with honors.

No student may declare bankruptcy more than once.

Bankrupt semesters will not apply toward enrollment semesters when determining catalog year.

No person using these bankruptcy procedures shall be eligible to participate in any intercollegiate competition until the specified grades and courses have been declared void.

## **Class Attendance Policies**

The College assumes that all students will accept responsibility for attending all classes. Attendance is an obvious factor in knowing what material was covered and what assignments were made during the class period. It is the student's responsibility to find out what work was missed. Absence from class in no way relieves the student of responsibility for any of the course work.

Instructors are not required or expected to investigate prolonged absences. Students who stop attending class without officially dropping before the advertised deadline will remain on the class roster, and instructors will assign these students the grade "F."

Instructors who choose to do so may include attendance in determining a student's grade. Instructors who use attendance as a factor must indicate on their syllabus what their policy is and how attendance will affect the student's grade.

## **Final Examinations**

It is College policy that no student may be required to take more than two final examinations within a single exam day. Students facing such conflicts should inform one or more of their instructors of the situation as early in the semester as possible. Students have a right to expect their instructors will accommodate them by scheduling a make-up examination in one of the courses. In the event of difficulty in making such arrangements, students should consult the Assistant Dean for Student Support Services in the Arts and Sciences Advising Center.

Final examinations which are comprehensive in nature will be given during the Final Examination period as specified in the Schedule of Courses. They 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.)

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# **Student Conduct, Discipline and Grievance Policies**

## **Responsibilities of the Student**

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 the 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 the General Information section and as published in The Redbook, Chapter 6, Article 8. Any student considering filing such a grievance must consult with the Arts and Sciences Advising Center for advice and information.



## **Statement of Academic Discipline**

In accordance with The Code of Student Rights and Responsibilities academic dishonesty is prohibited at the University of Louisville. Although cheating and plagiarism have never constituted a major problem, 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 official statement for the College.

Questions which do arise are reviewed by a joint student-faculty committee, which advises the student and faculty concerned. Rights of the student 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;
- to take practical steps to prevent cheating and detect it when it occurs. Specific guidelines, several of them obvious, 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 specify 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 Committee on Academic Discipline, has been established to assist in dealing with violators. The Committee on Academic Discipline exists also 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 the committee. During this initial encounter the faculty member should inform the student of his/her right to appeal an unfavorable decision to the committee. This committee is comprised of three students, selected by a nominating committee of the Student Council; three faculty members, representing the three divisions of the College, elected by the faculty; and the Dean of the College, ex officio. The committee shall select its own chair. The committee can be convened by notifying either the Dean or the chair that there is a case.

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 is given the responsibility of recommending the penalties for the violator, and such penalties shall be commensurate with both the nature and the seriousness of the case in question. Typically, for the first offense of cheating or plagiarism, failure in the course will be recommended; of course, the instructor retains his/her right to assign the grade. Any subsequent offense 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 committee recommendations shall be entered in the student's record.

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 the General Information section of this catalog.

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# Graduation and Degree Requirements

All undergraduate degree programs are based on a combination of freshman, sophomore, junior, and senior level courses which form a coherent, comprehensive undergraduate curriculum. The important distinction between these levels is that the freshman and sophomore curriculum is designed to provide a background that helps form the basis for advanced course work and concentration in a major area at the junior and senior level. The junior and senior level courses permit students to pursue more advanced work in the chosen major, in related fields, and in courses designed to explore the relationships among the disciplines.

## **Admission to a Major**

In order to graduate from the College of Arts and Sciences, all students must major in one of the degree programs of the College. To become a major in a degree program, students must complete an Application for Major form which is available in the Arts and Sciences Advising Center. The completed form is submitted to the Advising Center and then transmitted to the major program or department for consideration. Students become majors after acceptance by the department or the program. Some departments have specific requirements (e.g., completion of introductory course; minimum grade point average) for admission to the major. Consult the Advising Center for details of any admission requirements for a particular major. Students interested in a B.A. who find that the College's major programs do not meet their interests and needs should consider the Liberal Studies major.



Students may apply for admission to a major at any time. Most programs allow students to take work in the major field and in related fields during the freshman and sophomore years. Students who need to discover or confirm the choice of a major are encouraged to take a variety of foundation courses in different fields. Students who feel certain of their choices are encouraged to apply for a major early in their college experience in order to enjoy the benefits of advising and counseling from faculty in the major program. Students may change majors at any time; however, the need to fulfill the requirements of the ultimate major might require additional course work beyond the minimum hours required for graduation from the College.

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# General Requirements for Baccalaureate Degrees

The baccalaureate degree is the most comprehensive undergraduate degree in the College. It is awarded to students who have completed both College-wide requirements and the requirements of the selected major. This combination is designed to provide the broad spectrum of educational experiences that is fundamental to a liberal arts degree.

## **Minimum Hours.**

Each student must present a minimum of 121 semester hours of credit (unless a higher minimum is specified in a program of study).

## **Upper Level Hours.**

At least 50 of the total semester hours, whether required or elective, must be earned in courses numbered 300 or higher.

## **Point Standing.**

 Each student must attain a grade point average of at least 2.0 for all courses in the major field, and 2.0 overall. Details of requirements in programs requiring higher standings may be seen in departmental entries.

## **Maximum Hours in Major.**

No more than 40 hours in the major field may be applied toward graduation by candidates for the B.A. degree. No more than 60 hours in the major field may be applied toward graduation by candidates for the B.S. degree. No more than 80 hours in Fine Art (courses designated ART and ARTH) may be applied toward the B.F.A. in Fine Arts.

## **Residence Requirements.**

Thirty of the final 36 hours of work applicable to the degree must be taken in residence, that is, as a student enrolled in the College of Arts and Sciences. (Credits earned through CLEP do not count as resident hours, regardless of when taken.)

Students who have transferred credit into the College are required to complete at least 6 semester hours in their major in the College.

## **Second Bachelor's Degrees**

 To be awarded a second bachelor's degree, students must earn a minimum of thirty (30) additional semester hours in the College. For students pursuing two degrees simultaneously, these thirty (30) hours will be added to the minimum total of semester hours needed for the degree requiring the least number of hours.

## **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.

### **Associate in Arts Degrees**

The College awards the Associate in Arts in Paralegal Studies.

### **Requirements for Minors**

The course work requirements for a minor consist of a minimum of 18 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 semester hours with the same departmental designation may be applied toward the 121 hours minimum for a B.A. degree and no more than 60 hours with the same departmental designation may be applied toward the 121 hours minimum for a B.S. 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. Successfully completed minor programs are recorded on the student's transcript.

Students who have transferred credit into the College are required to complete at least 3 semester hours in their minor in the College.

Approved minor programs are included in departmental or program entries.

Students who want to take a minor must apply for admission to the minor program after acceptance into a major program. Application forms may be obtained in the Arts and Sciences Advising Center. The department or program may accept or reject the application. 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. The designation of a major and of a minor is made on the transcript only after completion of all graduation requirements.

Arts and Sciences students may apply for a minor offered by other schools within the University. Consult the Advising Center of the appropriate unit for information on specific minor programs.

### **Application for Graduation**

Students must apply for graduation in the beginning of the semester in which they expect to complete all degree requirements. Specific deadlines are announced in the Schedule of Courses. Application for Degree forms are available on-line at [www.louisville.edu/a-s/advising/forms](http://www.louisville.edu/a-s/advising/forms). Completed forms must be submitted to the Advising Center by the date published for each semester in the Schedule of Courses. The Advising Center will conduct a degree audit following receipt of the forms. However, students are strongly urged to request a preliminary degree audit prior to their final semester so that any deficiencies in degree requirements can be identified early.

### **Graduation with College Honors**

Baccalaureate degree students who have earned a minimum of 60 hours of degree credit in residence in the College of Arts and Sciences will be eligible for consideration to graduate with College Honors. Final determination of a student's eligibility to graduate with College Honors will be based on the student's standing upon completion of the degree.

In determining eligibility for graduation with College Honors, the College takes into consideration not only the cumulative grade point average, but also an "expanded cumulative grade point average" which is calculated only for the purpose of determining eligibility for graduation with College Honors and only if a student's university grade point average is 3.5 or above.

The "expanded grade point average" is based on the grades 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 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.

The minimum grade point average requirements for graduation with College Honors are:

### **Cum Laude**

3.5

### **Magna Cum Laude**

3.75 (with no honors project)

3.65 (with honors project)

### **Summa Cum Laude**

3.75 (with honors project)

For a student to qualify for graduation cum laude, magna cum laude, or summa cum laude, the grade point average and the expanded grade point average must both satisfy the stated minimum requirement.

To graduate summa cum laude (or magna cum laude with a 3.65-3.74 expanded grade point average), a student must have not only the requisite university and expanded grade point averages, but the student must also give evidence of scholarship and originality by submitting a research paper, or independent study report, or other independent work (college honors project).

It is essential that any student planning to complete an honors project in order to graduate magna cum laude or summa cum laude contact the Director of the College Honors Program early in the senior year with regard to verifying eligibility, and in order to learn deadlines for the proposal, the completed project, and the defense of the project.

Students should consult the Director of Honors with any questions concerning eligibility and requirements for graduation with College Honors.



# University General Education Requirements and College Programmatic Requirements

The following section states the University and College requirements which, when combined with the requirements of the selected major, constitute a complete degree program. The specific requirements for the major are given in the degree program section of this catalog. It is essential that students seeking a degree understand all of the requirements for that degree. The minimum number of hours required for a bachelor's degree in the College of Arts and Sciences is 121; some programs may require additional hours.

## General Education Requirements

Each student in the University must complete requirements in general education, the purpose of which is to ensure breadth of study during the undergraduate work. For specific General Education Requirements and a list of the courses which fulfill them, see the General Information section of this catalog. Some of these requirements may be met through advanced placement examinations.

## College of Arts and Sciences Programmatic Requirements.

In addition to the University-wide General Education requirements, the College of Arts and Sciences specifies College programmatic requirements for the Bachelor of Arts, Bachelor of Science, and Bachelor of Fine Arts degrees.

### Bachelor of Arts Degree

- GEN 101: Arts and Sciences Orientation—1 hour
- Foreign Language Proficiency – completion of the intermediate level of a single foreign language [142 or 123/221 or higher in French, German, Italian, Russian, and Spanish; or 202 or higher in ASL, Arabic, Chinese, Greek, Hebrew, Latin, and Portuguese] – 12 hours. (Actual hours required may be fewer, depending on the course level into which a student places.)
- Courses out of the Division of the Major—9 hours, with 6 hours at the 300-level or above
- Upper-level WR—two approved courses at the 300-level or above (may be incorporated into other degree requirements)

### Bachelor of Science Degree

- GEN 101: Arts and Sciences Orientation—1 hour
- Foreign Language Proficiency – completion of the second semester of a single foreign language [141 or 122 or higher in French, German, Italian, Russian, and Spanish; or 102 or higher in ASL, Arabic, Chinese, Greek, Hebrew, Latin, and Portuguese] – 6-8 hours (Actual hours required may be fewer, depending on the course level into which a student places.)
- Courses out of the Division of the Major—6 hours at the 300-level or above
- Upper-level WR—two approved courses at the 300-level or above (may be incorporated into

other degree requirements)

## **Bachelor of Fine Arts Degree**

- GEN 101: Arts and Sciences Orientation—1 hour
- Courses out of the Division of the Major—9 hours, with 6 hours at the 300-level or above
- Upper-level WR—two approved courses at the 300-level or above (may be incorporated into other degree requirements)

Courses approved for the upper-level WR requirement are so designated in the course descriptions.

## **General Studies 101 Requirement**

General Studies 101: Arts and Sciences Orientation is required during the first semester of enrollment in the College of all new students and all transfer students with fewer than 24 semester hours of credit. Part-time students must complete General 101 prior to earning 15 semester hours in the College. A student may be exempt from this requirement if the student:

- Is an intra-university transfer student
- is a transfer student from another institution with 24 or more semester hours completed;
- is a post-baccalaureate student or visiting student; or was first admitted to the University prior to Fall 1989.

## **Foreign Language Requirement**

All B.A. and B.S. degrees require foreign language proficiency. Unless otherwise stipulated, any of the modern or classical languages offered by the College, including American Sign Language, may be used to fulfill this requirement.

For further information, see “Placement,” and “Foreign Language Advanced Standing.”

## **Liberal Studies Program**

The College of Arts and Sciences offers a Bachelor of Arts degree in Liberal Studies that transcends the boundaries of inquiry permitted by single departments or disciplines. Through Liberal Studies, a student can create a multi-dimensional independent major that will support the student’s goal—either an intended career or an intellectual interest.

A prospective Liberal Studies student must first identify the specific goals that will define the degree program. To design a program, the student chooses three to five concentrations to combine in a unified and interrelated course of study. Concentrations are blocks of courses from undergraduate departments or programs.

The first concentration must be a College of Arts and Sciences approved minor and a Liberal Studies student is required to fulfill all requirements of the minor. The second concentration must also be a block of courses from a department or program within the College of Arts and Sciences. The third concentration may be drawn from a department or discipline outside the College of Arts and Sciences.

Students identifying Middle Grades Education as their goal may substitute a state-approved “Teaching Field” for the departmental minor. If two teaching fields are chosen, a third area of concentration is unnecessary.

No more than 24 semester hours of coursework taken outside the College of Arts and Sciences may be accepted toward the Liberal Studies Degree. All programs must meet the General Education requirements of the College of Arts and Sciences as well as specific Liberal Studies programmatic requirements. To qualify for admission to the Liberal Studies Program, a student must have:

- a goal that calls for a degree program that is both interdisciplinary and integrated;
- 45 semester hours of college coursework;
- 2.75 cumulative grade point average (including transfer grades if applicable) and;
- an approved written proposal including a detailed curriculum plan.

For additional information about the Liberal Studies program, please refer to the website ([www.louisville.edu/as/lbst](http://www.louisville.edu/as/lbst)) or contact the program advisor at 852-2249.

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# 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.

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# **Faculty and Department Information**

## **Department of Aerospace Science (Air Force ROTC)**

### **Application of Credits**

Air Force ROTC courses may be used as free electives in a degree program.

### **Faculty**

#### **Department Chair and Professor of Aerospace Studies**

Kevin J. Raybine, Lt. Col. U. S. Air Force; M.B.A., University of Maine

#### **Assistant Professors**

Stacey R. Ewing, Capt. U. S. Air Force; B.S., Park University



Matthew E. Lester, Capt. U.S. Air Force; B.S., Southwestern College

#### **Degree Programs**

Minor in Aerospace Studies

## **Department of Anthropology**

### **Faculty**

#### **Department Chair**

Julie M. Peteet, Ph.D., Professor, Wayne State University

#### **Associate Professors**

Yvonne V. Jones, Ph.D., American University

Lisa B. Markowitz, Ph.D., University of Massachusetts-Amherst

#### **Assistant Professors**



Jennie Burnet, Ph.D., University of North Carolina at Chapel Hill

Anita L. Harris, Ph.D., Louisiana State University

Jonathan A. Haws, Ph.D., University of Wisconsin-Madison

Shawn Parkhurst, Ph.D., University of California, Berkeley

Christopher R. Tillquist, M.P.H., Ph.D., University of Arizona

## **Faculty Emeriti**

Frederic N. Hicks, Ph.D., Professor Emeritus, University of California at Los Angeles

Russell M. Reid, Ph.D., Professor Emeritus, University of Illinois at Urbana

Edwin S. Segal, Ph.D., Professor Emeritus, Indiana University

## **Degree Programs**

Bachelor of Arts in Anthropology with concentration in Social Sciences

Bachelor of Arts in Anthropology with concentration in Natural Sciences

Minor in Archaeology

Minor in Forensic Anthropology

Minor in Socio-Cultural Anthropology

## **Department of Biology**

### **Faculty**

### **Department Chair**

Ronald D. Fell, Ph.D., Professor, Iowa State University

### **Professors**

Ronald M. Atlas, Ph.D., Rutgers University

Gary A. Cobbs, Ph.D., University of California, Riverside

Lee Alan Dugatkin, Ph.D. State University of New York, *Distinguished University Scholar*

Perri K. Eason, Ph.D. University of California, Davis

Paul W. Ewald, Ph.D., University of Washington

William D. Pearson, Ph.D., Utah State University

Michael H. Perlin, Ph.D., University of Chicago



## **Associate Professors**

Margaret M. Carreiro, Ph.D., University of Rhode Island

Cynthia C. Corbitt, Ph.D., University of Alaska, Fairbanks

Arnold J. Karpoff, Ph.D., University of Oregon

Martin G. Klotz, Ph.D. University of Jena, Germany

David J. Schultz, Ph.D., Pennsylvania State University

Joseph M. Steffen, Ph.D., University of New Mexico

## **Assistant Professors**

James E. Alexander, Ph.D., University of Oklahoma

Sarah M. Emery, Ph.D., Michigan State University

Hwa-Seong Jin, Ph.D., University of Alabama



Awdhesh Kalia, Ph.D., All India Institute of Medical Sciences

Jennifer Mansfield-Jones, Ph.D., University of Michigan

Tommy Parker, Ph.D., University of Missouri

Susanna K. Remold, Ph.D., Cornell University

Micah J. Worley, Ph.D., Oregon Health and Science University

## **Faculty Emeriti**

Charles V. Covell, Jr., Ph.D., Professor Emeritus, Virginia Polytechnic Institute

William S. Davis, Ph.D., Professor Emeritus, University of California at Los Angeles

Roger G. Lambert, Ph.D., Professor Emeritus, University of Minnesota

Varley E. Wiedeman, Ph.D., Professor Emeritus, University of Texas at Austin

## **Degree Programs**



Bachelor of Arts in Biology

Bachelor of Science in Biology

Minor in Biology

## **Department of Chemistry**

### **Faculty**

#### **Department Chair**

George R. Pack, Ph.D., Professor, State University of New York at Buffalo

#### **Professors**

Richard P. Baldwin, Ph.D., Purdue University

Robert M. Buchanan, Ph.D., University of Colorado, *Associate Dean, College of Arts and Sciences*

Donald B. DuPre', Ph.D., Princeton University

G. B. Hammond, Ph.D., University of Birmingham, England

Mark E. Noble, Ph.D., Indiana University

Richard J. Wittebort, Ph.D., Indiana University

M. Cecilia Yappert, Ph.D., Oregon State University

#### **Associate Professors**

Teresa W. Fan, PhD., University of California, Davis

Pawel M. Kozlowski, Ph.D., University of Arizona

Frederick A. Luzzio, Ph.D., Tufts University

Muriel C. Maurer, Ph.D., University of Virginia

John F. Richardson, Ph.D., University of Western Ontario, *Director, University Honors Program*

#### **Assistant Professors**

John C. Arnez, Ph.D., Yale University

Craig A. Grapperhaus, Ph.D., Texas A&M University

Aleeta M. Powe, Ph.D., American University

Christine V. Rich, Ph.D., University of Louisville

Heather Rypkema, Ph.D., Harvard University

Francis P. Zamborini, Ph.D., Texas A&M University

## **Faculty Emeriti**

John W. Brown, Ph.D., Professor Emeritus, University of Illinois

Thomas H. Crawford, Ph.D., Professor Emeritus, University of Louisville

Dorothy H. Gibson, Ph.D., Professor Emerita, University of Texas

N. Thornton Lipscomb, Ph.D., Professor Emeritus, University of Louisville

Gradus L. Shoemaker, Ph.D., Professor Emeritus, University of Illinois

K. Grant Taylor, Ph.D., Professor Emeritus, Wayne State University

Charles A. Trapp, Ph.D., Professor Emeritus, University of Chicago

## **Degree Programs**

Bachelor of Arts in Chemistry

Bachelor of Science in Chemistry

Bachelor of Science in Chemistry with Biochemistry concentration

Bachelor of Science in Chemistry with Business concentration.

Minor in Chemistry

# **Department of Classical and Modern Languages**

## **Faculty**

### **Department Chair**

Augustus A. Mastri, Ph.D., Professor, Indiana University

### **Professors**

Rhonda L. Buchanan, Ph.D., University of Colorado

William L. Cunningham, Ph.D., University of Texas at Austin

Alan C. Leidner, Ph.D., University of Virginia

Augustus A. Mastri, Ph.D., Indiana University

Frank H. Nuessel, Jr., Ph.D., University of Illinois

Wendy E. Pfeffer, Ph.D., University of Toronto

### **Associate Professors**

Aristofanes Cedeno, Ph.D., Michigan State University

John P. Greene, Ph.D., University of Wisconsin

Gregory S. Hutcheson, Ph.D., Harvard University

Robert D. Luginbill, Ph.D., University of California, Irvine

Mary Makris, Ph.D., Rutgers University

Manuel F. Medina, Ph.D., University of Kansas

Regina F. Roebuck, Ph.D., Cornell University

Lisa Wagner, Ph.D., The Ohio State University

### **Assistant Professors**

Matthieu S. Dalle, Ph.D., Pennsylvania State University

Clare Sullivan, Ph.D., New York University

Li Zeng, Ph.D., University of Toronto

### **Faculty Emeriti**

Roy L. Ackerman, Ph.D., Professor Emeritus, Western Reserve University

David R. Hume, Ph.D., Associate Professor Emeritus, University of Kentucky

Hubert Papailler, Ph.D., Professor Emeritus, University of Kentucky

Hans Peterson, Ph.D., Professor Emeritus, Harvard University

Marilyn V. Schuler, Ph.D., Professor Emerita, University of Kentucky

Sydney P. Schultze, Ph.D., Professor Emerita, Indiana University

### **Degree Programs**

Bachelor of Arts in French

Bachelor of Arts in Spanish

Minor in Chinese Studies

Minor in Classics

Minor in French

Minor in Greek

Minor in Italian

Minor in Latin

Minor in Russian Area Studies

Minor in Spanish

Minor in Foreign Literature (in English)

## **Department of Communication**

### **Faculty**

#### **Department Chair**

Allan W. Futrell, Ph.D., Associate Professor, Bowling Green State University

#### **Professors**

Michael R. Cunningham, Ph.D., University of Minnesota

John P. Ferre, Ph.D., University of Illinois, *Associate Dean, College of Arts and Sciences*

Joy Hart, Ph.D., University of Kentucky

Greg B. Leichty, Ph.D., University of Kentucky

Robert N. St. Clair, Ph.D., University of Kansas

Charles A. Willard, Ph.D., University of Illinois

Shirley C. Willihnganz, Ph.D., University of Illinois, *University Provost*

#### **Associate Professors**

Margaret D'Silva, Ph.D., University of Kentucky

Stuart L. Esrock, Ph.D., Bowling Green State University

Jennifer L. Gregg, Ph.D., Michigan State University

Kandi Walker, Ph.D., University of Denver

Ede Warner, Jr., Ph.D., Wayne State University

### **Assistant Professors**

Julie E. Berman, Ph.D., University of Missouri

Lindsay Della, Ph.D., University of Georgia

Selene Phillips, Ph.D., Purdue University

Steve Sohn, Ph.D., University of Connecticut

### **Degree Programs**

Bachelor of Arts in Communication

Bachelor of Science in Communication

Minor in Communication

## **Department of English**

### **Faculty**

#### **Department Chair**

Susan M. Griffin, Ph.D., Professor, University of Chicago

#### **Professors**

Dale B. Billingsley, Ph.D., Yale University, *Associate University Provost*

Beth A. Boehm, Ph.D., The Ohio State University

Thomas B. Byers, Ph.D., University of Iowa

Geoffrey A. Cross, Ph.D., The Ohio State University

Julia C. Dietrich, Ph.D., University of Cincinnati, *Associate Dean, College of Arts and Sciences*

Alan C. Golding, Ph.D., University of Chicago

Dennis R. Hall, Ph.D., The Ohio State University

Suzette A. Henke, Ph.D., Stanford University, *Thruston B. Morton, Sr. Professor*

Bruce Horner, Ph.D., University of Pittsburgh

Debra S. Journet, Ph.D., McGill University

Min-Zhan Lee, Ph.D., University of Pittsburgh

Estella C. Majozo, Ph.D., University of Iowa

J. Carol Mattingly, Ph.D., University of Louisville

Sena J. Naslund, Ph.D., University of Iowa

Jeffrey T. Skinner, M.F.A., Columbia University

### **Associate Professors**

David R. Anderson, Ph.D., University of Pennsylvania

S. Matthew Biberman, Ph.D., Duke University

Karen M. Chandler, Ph.D., University of Pennsylvania

Paul F. Griner, M.A., Syracuse University

Karen C. Hadley, Ph.D., University of California, Berkeley

Karen A. Mullen, Ph.D., University of Iowa

Mary I. Rosner, Ph.D., The Ohio State University

Susan M. Ryan, Ph.D., University of North Carolina at Chapel Hill.

Ann Elizabeth Willey, Ph.D., Northwestern University

Bronwyn T. Williams, Ph.D., University of New Hampshire

### **Assistant Professors**

Aaron Jaffe, Ph.D., Indiana University

Karen L. Kopelson, Ph.D., Purdue University

Brian Leung, M.F.A., Indiana University

Gabriela Nunez, Ph.D., University of California - San Diego

Annette H. Powell, Ph.D., University of Louisville

Andrew S. Rabin, Ph.D., University of Chicago

Glynis B. Ridley, Ph.D., Trinity College, University of Oxford

Elaine O. Wise, M.A., Indiana University, *Chair, Division of Humanities*

Joanna L. Wolfe, Ph.D., University of Texas at Austin

## **Faculty Emeriti**

Lucy M. Freibert, Ph.D., Professor Emerita, University of Wisconsin

Robert H. Miller, Ph.D., Professor Emeritus, The Ohio State University

Harold E. Richardson, Ph.D., Professor Emeritus, University of Southern California

Thomas A. Van, Ph.D., Professor Emeritus, University of Southern California

## **Degree Programs**

Bachelor of Arts in English

Minor in English

# **Department of Fine Arts and The Allen R. Hite Art Institute**

## **Faculty**

### **Department Chair**

James Grubola, M.F.A., Professor, Indiana University

### **Professors**

Ying Kit Chan, M.F.A., University of Cincinnati

Lida C. Gordon, M.F.A., Indiana University



Steven Skaggs, M.S., Pratt Institute

John D. Whitesell, M.F.A., Indiana University

### **Associate Professors**

Moon-He Baik, M.F.A., University of North Texas

R. Todd Burns, M.F.A., Indiana University

Mary A. Carothers, M.F.A., Rhode Island School of Design

H. Stow Chapman, M.S., Columbia University

Mitch L. Eckert, M.F.A., Ohio University

Christopher Fulton, Ph.D., Columbia University

Linda M. Gigante, Ph.D., University of North Carolina at Chapel Hill

Barbara L. Hanger, M.F.A., Ohio University



Benjamin Hufbauer, Ph.D., University of California-Santa Barbara

Mark Anthony Priest, M.F.A., Yale University

### **Assistant Professors**

Karen Britt, Ph.D., Indiana University

Susan Jarosi, Ph.D., Duke University

Delin Lai, Ph.D., University of Chicago

Scott L. Massey, M.F.A., Arizona State University

Gabrielle Mayer, M.F.A., Bowling Green State University

Ché Rhodes, M.F.A., Tyler School of Art-Temple University



### **Adjunct Faculty**

John P. Begley, M.F.A., Adjunct Professor, Indiana University,

*Gallery Director, Allen R. Hite Art Institute*

Leslie Friesen, B.A., University of Louisville,

*Power Creative Designer-in-Residence*

Peter Morrin, M.F.A., Associate in Fine Arts, Princeton University,

*Director Emeritus, J.B. Speed Art Museum*

## **Faculty Emeriti**

Donald R. Anderson, M.F.A., Professor Emeritus, Ohio University

Henry Chodkowski, M.F.A., Professor Emeritus, Yale University

Dario Covi, Ph.D., Professor Emeritus, New York University, *Allen R. Hite Professor*

*of Art History*

Robert Douglas, Ph.D., Professor Emeritus, University of Iowa

Julia Duncan, M.A., Associate Professor Emerita, The Ohio State University

Jay M. Kloner, Ph.D., Associate Professor Emeritus, Columbia University

Stephanie Maloney, Ph.D., Professor Emerita, University of Missouri

Suzanne L. Mitchell, M.F.A., Professor Emerita, State University of New York at Buffalo

William Morgan, Ph.D., Professor Emeritus, University of Delaware

Nancy L. Percy, M.A., Associate Professor Emerita, University of Pennsylvania

## **Degree Programs**

Bachelor of Arts in Art

Bachelor of Arts in Art History

Bachelor of Fine Arts in Art

Minor in Art

Minor in Art History



# Department of Geography and Geosciences

## Faculty

### Department Chair

Keith R. Mountain, Ph.D., Associate Professor, The Ohio State University

### Professors

Jafar Hadizadeh, Ph.D., Imperial College, Great Britain

David A. Howarth, Ph.D., The Ohio State University, *Associate University Provost*

George A. Lager, Ph.D., University of British Columbia



### Associate Professors

Clara A. Leuthart, Ph.D., University of Louisville

### Assistant Professors

Carol L. Hanchette, Ph.D., University of North Carolina

Anu Sabhlok, Ph.D., Pennsylvania State University

Wei Song, Ph.D., The Ohio State University

Haifeng Zhang, Ph.D., University of South Carolina



### Faculty Emeriti

Don E. Bierman, Ph.D., Professor Emeritus, Michigan State University

Terra A. Clarke, Ph.D., Professor Emerita, University of California - Riverside

K. Lal Gauri, Ph.D., Professor Emeritus, University of Bonn

Anne V. Noland, Ph.D., Associate Professor Emerita, University of Louisville

Dennis L. Spetz, Ed.D., Professor Emeritus, Indiana University

## **Degree Programs**

Bachelor of Science in Applied Geography with concentration in Environmental Analysis

Bachelor of Science in Applied Geography with concentration in Urban and Regional Analysis

Bachelor of Science in Applied Geography with concentration in Global and Regional Studies

Bachelor of Science in Applied Geography with concentration in Geographic Information Systems

Minor in Geography

Minor in Environmental Analysis

Minor in Urban and Regional Analysis

## **Department of History**

### **Faculty**

#### **Department Chair**

John E. McLeod, Ph.D., Associate Professor, University of Toronto

#### **Professors**

Bruce F. Adams, Ph.D., University of Maryland

Ann T. Allen, Ph.D., Columbia University

Mark E. Blum, Ph.D., University of Pennsylvania

John T. Cumbler, Jr., Ph.D., University of Michigan

Benjamin T. Harrison, Ph.D., University of California at Los Angeles

Robert B. Kebric, Ph.D., State University of New York at Binghamton

Thomas C. Mackey, Ph.D., Rice University

Justin A. McCarthy, Ph.D., University of California at Los Angeles, *Distinguished University Scholar*

Lee Shai Weissbach, Ph.D., Harvard University

### **Associate Professors**

Blake R. Beattie, Ph.D., University of Toronto

Christine T. Ehrick, Ph.D., University of California at Los Angeles

Tracy E. K'Meyer, Ph.D., University of North Carolina

Karen E. Spierling, Ph.D., University of Wisconsin - Madison

Bruce M. Tyler, Ph.D., University of California at Los Angeles

Jonathan R. Ziskind, Ph.D., Columbia University

### **Assistant Professors**

A. Glenn Crothers, Ph.D., University of Florida

Daniel Krebs, Ph.D., Emory University

Scott C. Levi, Ph.D., University of Wisconsin-Madison

Yuxin Ma, Ph.D., University of Minnesota

Raphael C. Njoku, Ph.D., Dalhousie University

### **Faculty Emeriti**

Charles W. Brockwell, Ph.D., Professor Emeritus, Duke University

Jerry W. Cooney, Ph.D., Professor Emeritus, University of New Mexico

Leonard P. Curry, Ph.D., Professor Emeritus, University of Kentucky

Susan J. Herlin, Ph.D., Associate Professor Emerita, Boston University

Andrea L. McElderry, Ph.D., Professor Emerita, University of Michigan

James R. Morrill III, Ph.D., Professor Emeritus, University of North Carolina

Lowell W. Newton, Ph.D., Associate Professor Emeritus, Tulane University

Arthur J. Slavin, Ph.D., Professor Emeritus, University of North Carolina

Donald C. Swain, Ph.D., Professor Emeritus, University of California at Berkeley

## **Degree Programs**

Bachelor of Arts in History with concentration in Humanities

Bachelor of Arts in History with concentration in Social Sciences

Minor in History

## **Division of Humanities**

### **Faculty**

All faculty of the Departments of English, Fine Arts, Classical and Modern Languages, Philosophy, Theatre Arts and of the Division of Humanities are members of the Faculty of the Division. In addition, the Justus Bier Distinguished Professor of Humanities, visiting Bingham Professors and visiting professors in the departments in the Division are members of the Faculty of the Division during the terms of their professorships in the College.

### **Division Chair**

Elaine O. Wise, M.A., Assistant Professor, English, Indiana University

### **Professors**

Riffat Hassan, Ph.D., University of Durham, England

Mary Ann Stenger, Ph.D., University of Iowa



## **Associate Professors**

Annette Allen, Ph.D., University of Texas at Dallas

## **Assistant Professors**

Natalie C. Polzer, Ph.D., Trinity College, University of Cambridge

Patrick Pranke, Ph.D., University of Michigan

Tatjana Soldat-Jaffe, Ph.D., University of Illinois, Urbana-Champaign

## **Faculty Emeritus**

Arthur J. Slavin, Ph.D., Professor Emeritus, University of North Carolina



## **Degree Programs**

Bachelor of Arts in Humanities with concentration in Disciplinary Studies

Bachelor of Arts in Humanities with concentration in Cultural Studies

Minor in Humanities

Minor in Jewish Studies

Minor in Religious Studies

## **Interpreter Training Program**

The University of Louisville/Eastern Kentucky University (EKU) program offering the Bachelor of Science in Interpreter Training on the campus of the University of Louisville is being phased out. Students who were accepted into the program prior to its discontinuation will have until May 2009 to complete the program on the University of Louisville campus.



For additional information contact the Coordinator of the Interpreter Training Program, 300 Robbins Hall, University of Louisville, (502) 852-4607 v/atty. Information is also available at the program's web site at <http://www.interpreting.eku.edu/louisville>

## **Department of Justice Administration**

## **Faculty**

### **Department Chair**

Deborah G. Keeling, Professor, Purdue University

### **Professors**

J. Price Foster, Ph.D., Florida State University

Richard A. Tewksbury, Ph.D., The Ohio State University

Gennaro F. Vito, Ph.D., The Ohio State University

William F. Walsh, Ph.D., Fordham University

### **Associate Professors**

Terry M. Edwards, Ph.D., University of Louisville

Elizabeth Grossi, Ph.D., Indiana University of Pennsylvania

Thomas W. Hughes, Ph.D., University of Cincinnati; J.D., University of Dayton

### **Assistant Professors**

Viviana Andreescu, Ph.D., University of Louisville

George E. Higgins, Ph.D., Indiana University of Pennsylvania

Wesley G. Jennings, Ph.D., University of Florida

John E. Shutt, Ph.D., J.D., University of South Carolina

Geetha Suresh, Ph.D., University of Louisville

### **Instructors**

Joseph S. Grant, M.S., University of Louisville

Theresa C. Hayden, M.S.S.W., University of Louisville



Michael M. Losavio, J.D., Louisiana State University

Nelseta V. Walters, M.S., Prairie View A & M University

### **Faculty Emeriti**

B. Edward Campbell, M.B.A., Professor Emeritus, University of Louisville

Ronald M. Holmes, Ed.D., Professor Emeritus, Indiana University

John C. Klotter, J.D., Professor Emeritus, University of Kentucky

### **Degree Programs**

Bachelor of Science in Administration of Justice

Minor in Administration of Justice

Certificate in Police Executive Leadership Development



## **Liberal Studies Program**

### **Director**

John R. Hale, Ph.D., University of Cambridge

### **Degree Programs**

Bachelor of Arts in Liberal Studies

Minor in Latin American Studies

## **Department of Mathematics**



### **Faculty**

### **Department Chair**

Thomas Riedel, Ph.D., University of Massachusetts, Amherst

## **Professors**

Patricia B. Cerrito, Ph.D., University of Cincinnati

Udayan B. Darji, Ph.D., Auburn University

Andre Kezdy, Ph.D., University of Illinois

Ewa Kubicka, Ph.D., Western Michigan University

Grzegorz Kubicki, Ph.D., Western Michigan University

Lee M. Larson, Ph.D., Michigan State University

Robert C. Powers, Ph.D., University of Massachusetts, Amherst

Grzegorz A. Rempala, Ph.D., Bowling Green State University

Prasanna K. Sahoo, Ph.D., University of Waterloo

W. Wiley Williams, Ph.D., Louisiana State University

## **Associate Professors**

Mary E. Bradley, Ph.D., University of Virginia

Manabendra N. Das, Ph.D., The Ohio State University

Bingtuan Li, Ph.D., Arizona State University

Steven W. Seif, Ph.D., University of Illinois-Chicago

Wei-Bin Zeng, Ph.D., University of Pittsburgh

## **Assistant Professors**

Lee Gibson, Ph.D., Cornell University

Ryan S. Gill, Ph.D., University of Texas at Dallas

Changbing Hu, Ph.D., Indiana University

Jon-Lark Kim, Ph.D., University of Illinois-Chicago

Hamid Kulosman, Ph.D., University of Illinois

Kiseop Lee, Ph.D., Purdue University

Jiaxu Li, Ph.D., Arizona State University

Alica Miller, Ph.D., Michigan State University

David R. Swanson, Ph.D., Indiana University

David J. Wildstrom, Ph.D., University of California, San Diego

## **Faculty Emeriti**

George R. Barnes, Ph.D., Professor Emeritus, University of California

Richard M. Davitt, Ph.D., Professor Emeritus, Lehigh University

Roger H. Geeslin, Ph.D., Professor Emeritus, Yale University

Lael F. Kinch, Ph.D., Professor Emeritus, University of Kentucky

Robert B. McFadden, Ph.D., Professor Emeritus, Queens University, Belfast

Lois K. Pedigo, Ph.D., Professor Emerita, University of Illinois

Leland L. Scott, Ph.D., Professor Emeritus, University of Illinois

William H. Spragens, Ph.D., Professor Emeritus, University of Cincinnati

## **Degree Programs**

Bachelor of Arts in Mathematics

Bachelor of Science in Mathematics

Minor in Mathematics

Minor in Actuarial Mathematics

## **Department of Military Science (Army ROTC)**

## **Faculty**

### **Professor and Chair**

Jamie Gough, Lt. Col U.S. Army, M.S., University of California - Davis

### **Assistant Professors**

Keith Donahoe, Major U.S. Army, M.B.A., University of Phoenix

Martin Fawbush, Master-Sargent U.S. Army, B.S., Oakland City University

## **Degree Programs**

Minor in Military Science

# **Department of Pan-African Studies**

## **Faculty**

### **Department Chair**

Theresa A. Rajack-Talley, Ph.D., Associate Professor, University of Kentucky

### **Professors**

J. Blaine Hudson, Ed.D., University of Kentucky, *Dean, College of Arts and Sciences*

### **Associate Professors**

Lateef O. Badru, Ph.D., State University of New York

Mary E. Bani, Ph.D., University of Texas at Austin

Joy G. Carew, Ph.D., Illinois Institute of Technology

Ricky L. Jones, Ph.D., University of Kentucky

Yvonne V. Jones, Ph.D., American University



## **Assistant Professors**

Tomarra Adams, Ph.D., University of Louisville

Brian Edwards, J.D., University of Kentucky

Anita Harris, Ph.D., Louisiana State University

Denise Martin, Ph.D., Temple University

Raphael Njoku, Ph.D., Dalhousie University

Kaila Story, Ph.D., Temple University

William Tkweme, Ph.D., University of Massachusetts, Amherst

## **Associated Faculty**

D.A. Masolo, Ph.D., Gregorian University, Rome Professor, Philosophy



Lundean M. Thomas, Ph.D., University of Michigan, Associate Professor, Theatre Arts

Bruce M. Tyler, Ph.D., University of California at Los Angeles, Associate Professor, History

Ede Warner, Jr., Ph.D., Wayne State University, Associate Professor, Communication

## **Faculty Emeriti**

Robert L. Douglas, Ph.D., Professor Emeritus, University of Iowa

## **Degree Programs**

Bachelor of Arts in Pan African Studies

Bachelor of Science in Pan African Studies

Minor in Pan African Studies



Minor in Cultural Performance (with Theatre Arts)

Minor in Race and Gender Studies (with Women's and Gender Studies)

# **Paralegal Studies Program**

## **Director**

Marsha Shields, M.A.

## **Lecturers**

Brian Butler, J.D.

Judge Denise Clayton, J.D.

David Deatrick, J.D.

David Cary Ford, J.D.

Joseph Gutmann, J.D.

William Hilyerd, J.D.

Vicki Nordmann, J.D.

## **Degree Programs**

Associate in Arts in Paralegal Studies

In conjunction with the Department of Political Science:

Bachelor of Science in Political Science with Concentration in Paralegal Studies

# **Department of Philosophy**

## **Faculty**

### **Department Chair**

Robert H. Kimball, Ph.D., Associate Professor, Yale University

### **Professors**

Thomas S. Maloney, Ph.D., Gregorian University, Rome

D.A. Masolo, Ph.D., Gregorian University, Rome, *Distinguished University Scholar*

Osborne P. Wiggins, Ph.D., New School for Social Research

### **Associate Professors**

Avery H. Kolers, Ph.D., University of Arizona

Nancy Nyquist Potter, Ph.D., University of Minnesota

### **Assistant Professors**

David S. Owen, Ph.D., University of Illinois-Chicago

### **Faculty Emeriti**

Charles F. Breslin, M.A., Associate Professor Emeritus, University of Louisville

John H. Flodstrom, Ph.D., Professor Emeritus, Northwestern University

Melvin E. Greer, Ph.D., Professor Emeritus, Tulane University

William M. Schuyler, Jr., M.A., Professor Emeritus, Princeton University

### **Degree Programs**

Bachelor of Arts in Philosophy with concentration in Humanities

Bachelor of Arts in Philosophy with concentration in Social Studies

Bachelor of Arts in Philosophy with concentration in Bioethics

Minor in Philosophy

## **Department of Physics and Astronomy**

### **Faculty**

#### **Chair**

David N. Brown, Ph.D., Associate Professor, Purdue University

## **Professors**

Christopher L. Davis, Ph.D., University of Oxford

Peter W. France, Ph.D., Wayne State University

C.S. Jayanthi, Ph.D., Indian Institute of Technology

John F. Kielkopf, Ph.D., The Johns Hopkins University

Shi-Yu Wu, Ph.D., Cornell University

## **Associate Professors**

Shudun Liu, Ph.D., Rutgers University

Sergio B. Mendos, Ph.D., University of Arizona

John C. Morrison, Ph.D., The Johns Hopkins University

Gerard Williger, Ph.D., University of Cambridge

## **Assistant Professors**

William C. Hoston, Ph.D., Massachusetts Institute of Technology

James T. Lauroesch, Ph.D., University of Chicago

Gamini U. Sumanasekera, Ph.D., Indiana University

Xiaoping Tang, Ph.D., Northwestern University

Ming Yu, Ph.D., Hokaido Institute of Technology

## **Adjunct Professors**

Victor Khenner, Ph.D., Moscow State University

## **Faculty Emeriti**

Joseph S. Chalmers, Ph.D., Professor Emeritus, Wayne State University

Joel A. Gwinn, Ph.D., Professor Emeritus, West Virginia University

Wei-Feng Huang, Ph.D., Professor Emeritus, University of Virginia

Roger E. Mills, Ph.D., Professor Emeritus, The Ohio State University

P. J. Ouseph, Ph.D., Professor Emeritus, Fordham University

John J. Sinai, Ph.D., Professor Emeritus, Purdue University

## **Degree Programs**

Bachelor of Arts in Physics

Bachelor of Science in Physics

Minor in Physics

## **Political Science**

### **Faculty**

#### **Department Chair**

Rodger A. Payne, Ph.D., Professor, University of Maryland

#### **Professors**

David L. Imbroscio, Ph.D., University of Maryland

Susan M. Matarese, Ph.D., University of Minnesota

Ronald K. Vogel, Ph.D., University of Florida

Okbazghi Yohannes, Ph.D., University of Denver

Charles E. Ziegler, Ph.D., University of Illinois

#### **Associate Professors**

Julie M. Bunck, Ph.D., University of Virginia

Anne Caldwell, Ph.D., University of California-Berkeley

Dewey M. Clayton, Ph.D., University of Missouri

Jasmine L. Farrier, Ph.D., University of Texas at Austin

Michael R. Fowler, J.D., Harvard Law School

Shiping Hua, Ph.D., University of Hawaii

Laurie A. Rhodebeck, Ph.D., Yale University

Sherri L. Wallace, Ph.D., Cornell University

### **Assistant Professors**

Jason Gainous, Ph.D., University of Florida

Trish Gray, Ph.D., Miami University

Allison Martens, Ph.D., University of Texas at Austin

### **Faculty Emeriti**

Adele K. Ferdows, Ph.D., Professor Emerita, Indiana University

W. Landis Jones, Ph.D., Professor Emeritus, Emory University

Philip G. Laemmle, Ph.D., Professor Emeritus, Indiana University

Joseph F. Maloney, Ph.D., Professor Emeritus, Fordham University

Leicester R. Moise, Ph.D., Associate Professor Emeritus, Indiana University

James O'Sullivan, M.A., Professor Emeritus, Boston University

### **Degree Programs**

Bachelor of Arts in Political Science

Bachelor of Science in Political Science with concentration in Law and Public Policy

Bachelor of Science in Political Science with concentration in Paralegal Studies

Minor in Political Science

## **Department of Psychological and Brain Sciences**



## Faculty

### Department Chair

Barbara Burns, Ph.D., Professor, Brown University

### Professors

Stephen E. Edgell, Ph.D., Indiana University

Edward A. Essock, Ph.D., Brown University

Zijiang He, Ph.D., University of Alabama at Birmingham

Richard R. J. Lewine, Ph.D., University of Pennsylvania

Maureen R. McCall, Ph.D., State University of New York at Albany

Suzanne Meeks, Ph.D., Catholic University

Carolyn B. Mervis, Ph.D., Cornell University, *Distinguished University Scholar*



Robert G. Meyer, Ph.D., Michigan State University

Stanley A. Murrell, Ph.D., University of Kansas

Heywood Petry, Ph.D., Brown University

Frederic L. Wightman, Ph.D., University of California, San Diego

Janet Woodruff-Borden, Ph.D., Virginia Polytechnic Institute

### Associate Professors

Paul J. DeMarco, Ph.D., Vanderbilt University

Benjamin T. Mast, Ph.D., Vanderbilt University

Tamara Newton, Ph.D., Rutgers University

John R. Pani, Ph.D., University of Illinois



Edna Ross, Ph.D., Kent State University

Paul G. Salmon, Ph.D., DePaul University

Sandra Sephton, Ph.D., Brigham Young

Barbara Stetson, Ph.D., Vanderbilt University

### **Assistant Professors**

Cara Cashion, Ph.D., University of Texas at Austin

L. Kevin Chapman, Ph.D., University of Louisville

Keith Lyle, Ph.D., Yale University

Patrick Shafto, Ph.D., Northeastern University

Pavel Zahorik, Ph.D., University of Wisconsin-Madison

### **Faculty Emeriti**

Joseph F. Aponte, Ph.D., Professor Emeritus, University of Kentucky

John C. Birkimer, Ph.D., Professor Emeritus, The Ohio State University

James M. Driscoll, Ph.D., Professor Emeritus, University of Delaware

Samuel Z. Himmelfarb, Ph.D., Professor Emeritus, University of California, Los Angeles

Irwin D. Nahinsky, Ph.D., Professor Emeritus, University of Minnesota

John A. Robinson, Ph.D., Professor Emeritus, Pennsylvania State University

Richard P. Smith, Ph.D., Professor Emeritus, Emory University

### **Degree Programs**

Bachelor of Arts in Psychology with concentration in Natural Sciences

Bachelor of Arts in Psychology with concentration in Social Sciences

Bachelor of Science in Psychology

Minor in Psychology

## **Department of Sociology**

 **Faculty****Department Chair**

L. Allen Furr, Ph.D., Associate Professor, Louisiana State University

**Professors**

Jon H. Rieger, Ph.D., Michigan State University

Wayne M. Usui, Ph.D., University of California, Riverside

**Associate Professors**

D. Mark Austin, Ph.D., Oklahoma University

Lateef O. Badru, Ph.D., State University of New York at Stonybrook

 James K. Beggan, Ph.D., University of California, Santa Barbara

John A. Busch, Ph.D., Indiana University

Karen L. Christopher, Ph.D., University of Arizona

Melissa Evans-Andris, Ph.D., Indiana University

Patricia L. Gagne, Ph.D., The Ohio State University

Cynthia L. Negrey, Ph.D., Michigan State University

Clarence Talley, Ph.D., University of Maryland

Hiromi Taniguchi, Ph.D., Princeton University

**Assistant Professors**

Robert M. Carini, Ph.D., Indiana University

 Lauren Heberle, Ph.D., Rutgers University

Gul A. Marshall, Ph.D., University of Pennsylvania

Ryan D. Schroeder, Ph.D., Bowling Green State University

## **Faculty Emeriti**

Lilialyce Akers, Ph.D., Associate Professor Emerita, University of Kentucky

James DeBurger, Ph.D., Professor Emeritus, Indiana University

K. Robert Durig, Ph.D., Associate Professor Emeritus, Indiana University

J. Allen Whitt, Ph.D., Professor Emeritus, University of California, Santa Barbara

## **Degree Programs**

Bachelor of Arts in Sociology

Bachelor of Science in Sociology

Minor in Sociology

## **Department of Theatre Arts**

### **Faculty**

#### **Department Chair**

Russell J. Vandenbroucke, D.F.A., Professor, Yale University

#### **Professors**

Michael F. Hottois, M.F.A., Brandeis University

#### **Associate Professors**

Garry Brown, M.F.A., University of Memphis

Nefertiti Burton, M.F.A., University of Massachusetts at Amherst



Rinda L. Frye, Ph.D., University of Oregon

Lundeana Thomas, Ph.D., University of Michigan

James Tompkins, Diplome, Ecole Jacques Lecoq

## **Instructors**

Zhanna Goldentul, B.A., Moscow Theatrical College

## **Faculty Emeriti**

Albert J. Harris, Jr., Ph.D., Professor Emeritus, The Ohio State University

## **Degree Programs**



Bachelor of Science in Theatre Arts

Minor in Theatre Arts

Minor in African American Theatre

Minor in Cultural Performance (with Department of Pan-African Studies)

## **Women's and Gender Studies**

### **Faculty**

#### **Chair**

Nancy M. Theriot, Ph.D., Professor, University of New Mexico

#### **Associate Professors**



Karen L. Christopher, Ph.D., University of Arizona

Catherine Fosl, Ph.D., Emory University

Dawn Heinecken, Ph.D., Bowling Green State University

### **Assistant Professors**

Kaila A. Story, Ph.D., Temple University

### **Post-Doctoral Teaching Fellow**

Diane Pecknold, Ph.D., Indiana University

### **Affiliated Faculty**

#### **Professors**

Ann T. Allen, History

Beth Boehm, English

Barbara Burns, Psychological and Brain Sciences

Thomas B. Byers, English

Julia C. Dietrich, English

Alan Golding, English

Susan M. Griffin, English

Suzette Henke, English

Mary Hums, Health/Physical Education/Sport

Marianne Hutti, Nursing

Cheryl Kolander, Health/Physical Education/Sport

J. Carol Mattingly, English

Wendy Pfeffer, Classical and Modern Languages

Mary Ann Stenger, Humanities

#### **Associate Professors**

Annette C. Allen, Humanities



Mary Esi Bani, Pan-African Studies

Anne Caldwell, Political Science

Karen Chandler, English

Rinda Frye, Theatre Arts

Patricia Gagne, Sociology

Karen Hadley, English

Katherine Johnson, University Libraries

Nancy N. Potter, Philosophy

Theresa Rajack-Talley, Pan-African Studies

### **Assistant Professors**



Tomarra Adams, Pan-African Studies

Tricia Gray, Political Science

Anita Harris, Anthropology

Karen Kopelson, English

Gul A. Marshall, Sociology

Natalie C. Polzer, Humanities

Annette Powell, English

Anu Sabhlok, Geography and Geosciences

Tamara Yohannes, English

### **Degree Programs**

Bachelor of Arts in Women's and Gender Studies

Bachelor of Science in Women's and Gender Studies



Minor in Women and Gender Studies

Minor in Race/Gender Studies (with Department of Pan-African Studies)





# Administrative Officers

## Dean

R. Charles Moyer, Ph.D.

## Associate Dean

Audrey D. Kline, Ph.D.

## Associate Dean for Undergraduate Programs

Julia Karcher, Ph.D.

## Associate Dean for Masters Programs



Robert D. Nixon, Ph.D.

## Associate Dean for Research and Faculty

David A. Dubofsky, Ph.D.

## Assistant Dean for Development

Jane Goldstein, M.A.T., C.P.S.

## Assistant Dean for Student Services

M. Allie Goatley, M.Ed.

## Assistant Dean for Administration



Sean M. McNamara, MBA

## **Department Chairs and Program Directors**

School of Accountancy

William D. Stout, Ph.D

Department of Computer Information Systems

Manju Ahuja, Ph.D.

Department of Finance

Frederick W. Siegel, Ph.D.

Department of Management

Lyle Sussman, Ph.D.

Department of Marketing

P.S. Raju, Ph.D.

Department of Economics

John Vahaly, Ph.D.

Equine Business Program

Richard W. Wilcke

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# Degrees and Special Programs

**Note:** The University of Louisville reserves the right to change programs of study, academic policies, academic requirements, fees, schedules of courses, procedures for the confirmation of degrees, or the announced academic calendar without prior notice. The College of Business (COB) reserves the right to administratively withdraw students from courses based on academic policies.

## **Bachelor of Science in Business Administration with Majors in:**

- Accountancy
- Accountancy--Information Security Concentration
- Computer Information Systems (CIS)
- CIS—Information Security Concentration
- Equine Business
- Finance
- Marketing

(Students may double major with any of the above listed majors—excluding Economics)

Graduates of the BSBA program should:

- Be competent in their discipline.

### **(Discipline)**

- Be problem solvers.
- Have an awareness of ethical issues.
- Be effective communicators.
- Be knowledgeable of business disciplines. **(Core)**
- Be competent with technology.
- Have awareness of the global business environment.
- Appreciate diversity.

Bachelor of Science in Economics with a Major in:

—Business Economics

Bachelor of Arts with a Major in:

—Economics

## **Minors**

— Business Administration\*

— Economics

-- Entrepreneurship\*\*

— Equine Business

— Finance

— International Business\*\*

-- Management\*\*

— Marketing

\* Only for students not enrolled in COB

\*\*COB students only

## **Certificate**

— Accounting

— Equine Business

## **BA-BS/MBA Track**

**Undergraduate students at the University of Louisville may obtain both a baccalaureate degree and an MBA degree in five calendar years by following the BA-BS/MBA Track. The purpose of such a track is to allow students to obtain a broad-based education in the liberal arts as an undergraduate, and then to specialize in business administration as a graduate student. As an undergraduate, the student would pursue his/her respective major while simultaneously taking the following courses:**

**Senior Year (2nd semester)**

**Six hours of MBA 600-level courses**

**Fifth Year**

**Thirty hours of MBA 600-level courses (full calendar year)**

**Students desiring to follow such a track should proceed as follows:**

- 1. Student applies for joint advising after 60 hours.**
- 2. Student applies for MBA advising after 90 hours.**
- 3. Student takes GMAT in the first semester of his/her senior year.**
- 4. Student takes 30 hours of 600-level MBA courses in the calendar year immediately following his/her baccalaureate degree.**

**Note: A grade of at least a "B" in each 600-level MBA course taken as a senior is required.**

**Students interested in such a track should notify their academic counselor.**

**For admission consideration, students must:**

**Be considered eligible for the University Honors Program upon admission, and maintain eligibility through their undergraduate career.**

**Earn a GMAT score of at least 550.**

**Those interested in pursuing track should:**

**Bring this form to the Graduate Advising office after completing 60 credit hours.**

**At least two semesters before graduation, schedule an advising appointment with the Graduate MBA Counselor by calling 852-7297.**

**Take the GMAT no later than two semesters before graduation. A score of at least 550 must be earned.**

**Turn in an application for admission, along with 2 letters of**

**recommendation, a resume, and personal statement (see MBA website for forms).**

**Admission to the MBA program remains competitive. Adherence to the above requirements qualifies students for consideration, but does not guarantee admission.**

### **BSE or BSBA/MBA**

**The BSE or BSBA/MBA offers an opportunity for students to complete the undergraduate business or economics degree in the COB along with an MBA degree in 5 1/2 years. The requirements are as follows:**

#### **Freshman Admission:**

**Freshmen admitted to the College of Business must be considered eligible for the University honors Program upon admission, and maintain eligibility through their undergraduate career.**

**After completing 60 credit hours, students must fill out an application for this program candidates must attend at least one College of Business Roundtable, sponsored by the Ulmer Career Management Center.**

**Candidates must fulfill at least one three-hour Co-op.**

**At least two semesters before graduation, candidates must schedule an appointment with the Graduate MBA Counselor by calling 852-7297.**

**The GMAT is not required.**

**Applicants must turn in an application for admission along with 2 letters of recommendation, resume, and personal statement (see the MBA website for forms)**

#### **Transfer Admission:**

**Transfer students must be considered eligible for the University Honors Program upon admission, and maintain eligibility through their undergraduate career.**

**After completing 60 credit hours, students must fill out an application for this program candidates must attend at least one College of Business Roundtable, sponsored by the Ulmer Career Management**

**Center.**

**Candidates must fulfill at least one three-hour Co-op.**

**At least two semesters before graduation, candidates must schedule an appointment with the Graduate MBA Counselor by calling 852-7297.**

**The GMAT is required, and must be taken no later than the students first semester of the senior year. A score of at least 550 must be earned.**

**Applicants must turn in an application for admission along with 2 letters of recommendation, resume, and personal statement (see the MBA website for forms).**

**Admission to the MBA program remains competitive. Adherence to the above requirements qualifies students for consideration, but does not guarantee admission.**

### **Honors Scholars Program**

The College of Business is committed to providing multiple opportunities for challenging educational experiences. To earn the Honors Scholar designation in business, students must take a combination of honors courses in business and arts/sciences. Specific details about eligibility, course offerings, and other program details are available in the COB Reinhardt Academic Center or online.

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# Admissions Policies

## **Admissions**

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.

## **Freshmen Students**

**Admission in Good Standing:** Admission in good standing is granted to students meeting each of the following requirements:

 (1) Graduation from an accredited high school with a minimum 2.8 GPA or successful completion of the General Education Development (GED) test;

**AND**

(2) Completion of the Pre-College Curriculum . (See "Minimum Admission Standards for Public Universities in Kentucky/Pre-College Curriculum" in the General Information section of this catalog.);

**AND**

(3) A composite ACT score of 23 or above.

## **Admission in Conditional Standing**

 Students with an ACT composite score of 20 - 22 and who meet admission requirements 1 and 2 will be admitted in conditional standing. Students in conditional standing become students in good standing if their University GPA is 2.8 or above after completion of their first semester. The University Grade Point Average (University GPA) is based on all college-level undergraduate courses taken at the University of Louisville. Admission in conditional standing is to be considered the student's academic warning according to the academic warning, probation, suspension and dismissal standards. Students will be placed on probation if after completion of their 1st semester their university GPA is less than 2.8. 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. Students not admissible under the above criteria, such as home-schooled applicants, may petition for admission.

## **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, probation standing, or denied admission.

### **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 U of L, GPA will be calculated only on U of L work attempted for college credit.) (see "Transfer Students" in the General Information section of this catalog);

**AND**

- Good standing in the institution of last attendance, including eligibility to return to that institution;

**AND**

- 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 degree credits must submit high school transcripts and ACT scores, and must meet the requirements for freshmen.

### **Admission in Probation Standing**

Transfer students with a gpa 2.5 - 2.79 may petition for admission. Students with a transfer gpa below 2.5 will be admitted only under extenuating circumstances. Students with a transfer gpa below 2.8 will be admitted in probation status according to the academic warning, probation, suspension and dismissal standards (see section on COB Academic Status in this Catalog).

Students admitted in probation standing must be advised, and are restricted to 13 credit hours per semester. Students admitted in probation standing must earn a 3.0 semester gpa following admission to avoid suspension as consistent with the COB policy on Academic Status. Students in probation standing will become students in good standing when their University GPA is 2.8 or above after the next semester completed.

### **Other Applicants**

Students whose last attendance at U of L resulted in academic suspension must petition for

readmission. (See section covering COB policy on Academic Status.) 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 COB.
- complete a minimum of 12 credit hours in the declared major at U of L.
- earn at least sixty (60) semester credit hours at four-year institutions.
- complete at least fifty 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 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 2.8 gpa in the major and UofL cumulative.

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.

## **Visiting Student Status**

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 the General Information section of this catalog (see "Visitors"). 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, COB Bldg., 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 17 hours. Failure to follow these guidelines may result in loss of credit.

## **Concurrent Registration in Another Institution**

Students in a degree-seeking status in the College of Business who wish to enroll in courses at another institution while also enrolled in the COB must obtain permission from the COB Reinhardt Academic

Center, Room 024. Upon completion of the concurrently enrolled semester students must report all attendance to the Registrar's Office at the time of the next registration. The combined program of work in all institutions may not exceed the maximum course load permitted for students in the COB.

Failure to fulfill these regulations may result in loss of credit from the COB or in ineligibility to transfer the credits from the other schools toward the requirements for graduation from the COB.

## **Metroversity Courses**

See the General information section of this catalog for information on enrolling in Metroversity courses. Because the courses of the member institutions differ, not all courses available through the plan meet the COB's requirements. Students should consult with the Reinhardt Academic Center<sup>3</sup> to determine whether specific Metroversity courses that interest them will meet the COB's requirements.

## **Transfer Credit Policies**

The College of Business 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 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 "C" or better for certain degree requirements. Students admitted to the COB from other fully accredited institutions will receive credit for academic courses, but 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 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.

## **International Students**

International students who have a secondary school record sufficient to predict college success and who demonstrate proficiency in the English language by submitting evidence of University-required TOEFL scores may be admitted to the College of Business. Beginning applicants and transfer applicants who have completed less than one full academic year of post-secondary credit (fewer than 24 semester hours of acceptable transfer credit) must submit test scores from the American College Testing (ACT) program. Please refer to the General Information section of this catalog for more information.

## **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 instructor 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 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. Students may not enroll in audit status during the Early Registration period. (See "Audited Courses" this section of the catalog.)

## **High School Visitors**

The College offers to qualified high school students the opportunity to earn college credits by enrolling in selected freshman-level courses (i.e., certain 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 a minimum grade point average of 3.0, test scores on the ACT or SAT above the national mean, and a recommendation letter from the 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.

## **Awarding of Credit Through Placement Examination**

The awarding of credit for non-business courses through placement examination is based on the College of Arts and Sciences standards. (See Arts and Sciences section for details.) Currently the only business courses given credit by exam are CIS 100 (dept. exam) and Econ 201 and 202 by AP exam with score of 3 or higher.

## **Awarding of Credit for Nontraditional 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 (COB Co-op)

Cooperative Education is an undergraduate educational program through which students get academic credit for new workplace experiences that support the educational goals of the student's academic discipline. Local and regional employers work with the College of Business to offer level-appropriate jobs that provide a continuous progression of learning for students. This mutually beneficial program moves the classroom into the community. Educators and employers structure individually appropriate practical experiences through which classroom theories are applied and students, through their work experience, explore career options and responsibilities. The COB Co-op program adds a realistic dimension to the business degrees and supports the leadership role of the University of Louisville, College of Business in the marketplace. Students who participate in the COB Co-op program are better prepared for value-added employment and success in career and professional development. Students may earn up to six (6) hours of academic credit, (maximum of 3 hours for accountancy and management majors) as elective and/or required courses, through the COB Co-op program, with a maximum of three (3) hours allowed in one semester. One hour of academic credit is given for each 150 hours of approved work. Students are 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. Registration for COB Co-op is flexible and deadlines appropriate for each semester are posted in the COB Ulmer Career Management Center.

All majors are encouraged to plan in advance for co-op, which is typically taken during the junior and/or senior years. Co-op credit satisfies major area and/or general business elective course options according to discipline guidelines. Computer Information Systems majors register for co-op as a graduation requirement and usually work full-time for six (6) months prior to graduation. Elective credit to satisfy graduation criteria is available for up to three (3) hours in Accountancy and Management, and for up to six (6) hours in Economics, Finance, and Marketing. Consult the Degree Programs section of this catalog to determine discipline guidelines affecting COB co-op course credit.

International students must validate work authorization eligibility through the International Center prior to working with the COB Ulmer Career Management Center. Four and five year individual academic plans that include COB Co-op require student flexibility and an openness to creative scheduling, but the benefits are many.

Approved COB Co-op opportunities range from full to part-time, temporary to permanent, paid to non-paid. Students may work full-time, alternating semesters of co-op with semesters of campus academics, or accept part-time positions in order to parallel workplace and classroom experiences. Co-op evaluations are graded on a Pass/Fail basis. Employment arrangements are between students and employers while the COB provides structure, focus, guidance, and evaluation for educational components. Program requirements include the following:

1. Be enrolled in good standing in the University of Louisville, College of Business.
2. Maintain a 2.8 cumulative University GPA.
3. Have completed prerequisite courses established by each major area of study.
4. 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 which does not offer new employment challenges.)
5. Apply for COB Co-op on the Ulmer Center website: <http://business.louisville.edu/careers/>

6. Business minors do not have the option for co-op credit.

## **Academic Advising**

The College of Business employs a staff of professional advisors who provide academic counseling to undergraduate and graduate students. The applicability of courses toward fulfillment of degree requirements will be determined by the academic advisors in the COB Reinhardt Academic Center. The following students are required to meet with an advisor each semester:

1. Freshmen with less than 24 earned degree applicable credit hours.
2. New transfer students (internal and external)
3. Students who have a break in enrollment of two or more consecutive years.

While other business students are not required to see an advisor each semester, they should contact the Reinhardt Academic Center whenever they have questions regarding degree programs, course offerings, campus resources, registration procedures, academic standing, graduation requirements or other academic issues. Economics majors are required to have faculty mentoring and program approval by the Department Chair. We recommend that business students schedule an appointment with their advisor periodically.

Equine majors must contact the advisor within that discipline. For further information about advising in the College and for appointments with academic advisors, call (502) 852-7439 or write to the College of Business, Room 024, University of Louisville, Louisville, KY 40292. Email: [business@louisville.edu](mailto:business@louisville.edu)

## **Programs for the Under-prepared Student**

The College recognizes that some students who have met the technical requirements of pre-college work are not prepared for college-level courses.

Pre-college level (Pathways) courses were established by the University to remedy the deficiencies that would prevent the student from succeeding in college level courses. Placement in these courses is determined by performances on diagnostic examinations and/or ACT scores. Students do not receive degree credit for these courses since they are not of college level.

Any student enrolled in the University is eligible for the Pathway courses, provided that the prerequisites are satisfied. Students who require developmental courses are urged to discuss with an advisor the advisability of registering in other courses. Although students might be eligible to enroll simultaneously in college level and Pathway level courses, they may have an unsatisfactory experience in college level courses until their levels of competence are improved through successful completion of developmental work.



# **Course Enrollment Policies**

## **Dean's List and Dean's Scholar**

Students who earn a 3.5 grade point average and complete 12 or more graded hours for the semester are named to the Dean's List. Students who earn a 4.0 grade point average while enrolled in 12 or more graded hours for the semester and who have a 3.0 University GPA are named Dean's Scholars. These are placed on the student's transcript.

## **University Grade Point Average**

The University calculates a University Grade Point Average (University GPA), which becomes the standard measure of performance and the official calculation upon which academic decisions are made. The undergraduate University GPA is based on all college-level undergraduate course work taken at the University of Louisville. Courses numbered below the 100-level (000-099) taken in the 1998 Fall semester or after will not be used in the earned hours or University Grade Point Average calculation.

## **Academic Status/Standing within the College of Business**

### **Definition of Good Standing**

To make satisfactory progress students must maintain a University grade point average - GPA of 2.8 or higher. To graduate, students must attain a 2.8 University GPA and a 2.8 average in all major courses (includes major courses that are transferred). Students are in good standing when they have a minimum University GPA of 2.8.

### **Warning, Probation, Suspension, Dismissal, and Readmission**

Students are in good standing when they have a minimum University GPA of 2.8. Students who, after their first semester at the University of Louisville, have a University GPA below 2.8 will be placed on Academic Warning. (Those admitted in conditional status are to be considered on Academic Warning.) Students on Academic Warning are limited to enrollment for 13 credit hours in a fall or spring semester and no more than one course per summer term. Summer terms count fully toward academic standing.

 In any subsequent semester, students whose GPA falls below 2.8 will be placed on Academic Probation for the next semester of enrollment. Students on Probation are limited to enrollment for 13 credit hours in a fall or spring semester and no more than one course per summer term. Summer terms count fully toward academic standing.

Students on probation may also be subject to specified course registration requirements, 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 University GPA is 2.8 or above will be restored to good standing.
2. Students whose GPA for the probationary semester is 3.0 or above, but whose University GPA remains below 2.8 will be retained on Probation.
3. Students whose University GPA is still below 2.8 and who earned a semester grade point average below 3.0 will be placed on Academic Suspension and will be expelled from the COB. Suspended students are withdrawn from all enrolled courses. Students will be suspended for at least one semester (summer terms do not count as a suspended semester).
4. Students suspended by the COB may apply for admission to another U of L academic unit whose minimum admission standards they meet. Courses completed in another unit will be recognized by the COB as work completed toward degree plan requirements for students readmitted into the COB.
5. Readmission of suspended students into the COB is not guaranteed. For readmission students must submit a written petition, an academic plan form and an Application for Undergraduate Admission to the Office of Admissions. The petition must address the student's perception of the causes of poor performance, the steps the student has taken to correct those causes, and a plan of action to return to satisfactory academic standing. Petition deadlines for readmission are July 1 for Fall semester, November 1 for Spring semester and May 1 for Summer semester.
6. Students must have at minimum a University GPA of 2.5 to petition for readmission or a deferred suspension. Students out of school for two or more years may be eligible for academic bankruptcy.
7. Students will not be readmitted more than twice. A third suspension constitutes an Academic Dismissal from the University. Students have the responsibility to know their current academic status. The College routinely notifies students when their status changes, but such notification may not be possible before the beginning of the next semester. For example, a student taking courses in the late summer term who fails to meet academic standards may be suspended after the start of the fall semester.

## **Course Numbering and Restrictions**

College of Business courses numbered 101-299 are primarily for freshmen and sophomores, and such courses generally contain introductory or basic material. These courses are open to all students enrolled in the University of Louisville. Business courses numbered 300-499 are those in which the majority of students enrolled are juniors and seniors, and such courses contain advanced undergraduate material. Only students admitted to the College of Business in good standing and who have completed the proper prerequisites (It is the student's responsibility to know the prerequisites for any course by checking the course description section of the University Undergraduate Catalog.) will be allowed to register for 300 and 400 level business courses. Exceptions will be made for students in baccalaureate degree programs in other units of the University which require upper-level business courses. These students must be juniors or seniors and must have the proper prerequisites to register for 300-400 level courses in the COB. Students must obtain permission to take these courses from the faculty advisor in their program of study. The COB reserves the right to administratively withdraw students from courses based on academic policies. Business courses numbered 500 and above are reserved for graduate students; undergraduates may not take these courses.

Note: Undergraduate students in the BA,BS/MBA track may take 600 level courses in the second semester of their senior year, if special permission is granted by the MBA advisor.

## **Course Availability**

All courses offered through the 499 level in the COB, at the time of publication of this catalog, are listed under the departments and programs offering the courses. Courses beyond the 499 level are listed and described in the Graduate Catalog. A Schedule of Courses is published each year. The College reserves the right to cancel without prior notice any courses listed in this catalog or in the Schedule of Courses, and to withdraw any course that does not have an adequate enrollment at a reasonable time during the registration period for the semester. The College 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 College cannot guarantee that such delay will not occur.

## **Closed Business Classes**

See waitlist process at <http://www.louisville.edu/student/services/registrar/waitlist.html>

## **Adding and Withdrawing from Classes, and Changing Grade Types**

Students may add courses to their schedules during official registration periods--dates are specified in the Schedule of Courses for each semester. Students are permitted to withdraw from classes up to the specific deadlines published in the Schedule of Courses or on Ulink. Failure to withdraw officially from a course will result in a grade of "F." The deadline for changing from credit to audit status or from audit to credit status in a course is the University deadline for adding courses. The deadline for changing from letter grade to pass/fail, or pass/fail to letter grade is the same as for withdrawing from courses. Such changes require a "Permission Form" (found in the Schedule of Courses) be signed by the course instructor and processed in the Registrar's Office by the appropriate deadline. Missing grades are changed to failing grades one year after the completion of the semester in which the course was taken. Requests after the appropriate deadlines must be petitioned.

## **Pass/Fail Courses**

Students may take one Arts and Sciences elective on a pass/fail basis per semester. Business or general education courses that are taken on a pass/fail basis will not meet degree requirements unless those courses are only offered on a pass/fail basis.

## **Course Loads**

Registration for 12 or more credit hours during a semester (or for 3 credit hours of approved COB Co-op) entitles a student to full-time status. Students may take up to 17 credit hours each Fall and Spring semester. In special circumstances, students enrolled as majors may request more than 17 hours in the College of Business Reinhardt Academic Center. Students are limited to 4 hours in the three week term and to 7 hours (including A & S courses) during each five-week term of the summer semester. Students on academic warning and probation are restricted to a maximum of 13 hours per semester and no

more than one course per summer term. 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. COB Co-op students working thirty hours a week or more are encouraged to limit course loads. Full-time student status is granted for any student registered for three (3) credit hours of co-op during one semester. 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 planning to register for COB Co-op are expected to include their co-op course hours in total course load calculations and adhere to the maximum course load restrictions. Only students in good standing may register for COB Co-op.

**Note:** The College of Business reserves the right to administratively withdraw students from courses based on academic policies.

## Incompletes

"I" means incomplete. It is granted to students unable to complete the last requirements of a course because of circumstances beyond their control and given at the instructor's discretion. Students must complete the course work within 120 days, or the "I" is automatically changed to an "F". An "I" does not enter into grade point calculations until it is changed to a letter grade; however, the hours from the incomplete course are used to determine Academic Standing. **Note: Students with an incomplete should not register again for the course.**

## Class Attendance Policies

Regular class attendance is expected of all students. Participation and interaction with others is a critical component of an overall quality learning experience. Attendance and participation, if so indicated in a course syllabus, may be used to partially determine the course grade along with other grade components such as examinations, homework assignments, presentations, etc.

## Repetition of Courses

Students may repeat-to-replace a maximum of four (4) courses with grades of "F", "D", or "C". For these four courses, only the last grade attained will be used in the University GPA calculation. Courses in which a grade of "D" or "C" was originally attained may only be repeated once under the repeat-to-replace option.

Students are not required to repeat an "F" grade unless the course is specifically required for graduation. Students should be aware all grades are displayed on the official transcript even after the repeat. The COB will honor any previously granted repeats from other Schools and Colleges within the University. For example, if a student uses three (3) repeats in Arts and Sciences classes, that student will be eligible for only one (1) additional repeat-to-replace option in the COB. A repeat-to-replace form, available in the Reinhardt Academic Center, must be filed to activate this option. For courses retaken for which this option is not requested, both grades will be used in the University GPA calculation, but students cannot receive double credit in hours required for the degree. Since "C" and "D" are passing grades and may be applied toward graduation requirements, students are advised to weigh carefully the possible advantages of improving their standings versus the possible disadvantage of discarding hours already earned. In addition, the hours from the repeated course(s) are used to determine academic standing. The last grade attained for any repeated course determines the

applicability towards degree requirements.

## **Audited Courses**

Audited courses do not earn credit. Audit status is offered only on a space available basis. For that reason, students may not register for a class in an audit status during early registration, nor may a student change from a graded status to an audit status during that period. Students may register for classes in audit status during late registration and then only with written approval of the instructor of the course. Any new registration must be done by the first day of classes. Students are allowed to change from audit to grade status or from graded status to audit status at any time from the beginning of the late registration through the last day to add a class so long as they have 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 the form provided in the Schedule of Courses. Forms must be turned in to the Registrar's Office by the deadline. 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. If a student takes a course for both audit and credit, the transcript will show both entries.

## **Academic Bankruptcy**

University of Louisville students who have been out of higher education for at least two years and then return to achieve a 2.8 grade point average or higher in the first 12 degree applicable credit hours are eligible to apply for Academic Bankruptcy. All degree applicable courses taken during the term in which the 12-hour minimum is attained will be considered in determining eligibility for bankruptcy. Under this policy, students (if approved) may remove one or more consecutive semesters of college work from their grade point average and semester hours completed calculation. University of Louisville students are advised that while bankrupted course grades are removed from the calculation, the course work does remain a part of their permanent record and that the bankrupted work may be considered for financial aid purposes, NCAA purposes, and may be evaluated if applying for honors or graduate study. Additionally, students must be aware that Academic Bankruptcy is an internal policy and the University of Louisville cannot guarantee how the work will be viewed by another university should the student choose to transfer. Students wishing to examine this option are advised to visit the Reinhardt Academic Center for details of the process. Bankrupt semesters will not apply toward enrollment semesters when determining catalog year. Bankruptcy may be declared only once. No course taken during a bankrupted semester can be used to meet a requirement.

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# Degree Requirements for Graduation

## **Application for Degree**

Students must apply for their degree at the beginning of the semester in which they expect to complete all degree requirements. The degree application is to be filled out on Ulink at <http://www.ulink.louisville.edu>.

the degree application must be submitted by the date published for each semester in the Schedule of Courses and on Ulink. Advisors in the Reinhardt Academic Center will conduct a degree check following the application deadline. However, students are strongly urged to request a preliminary degree check prior to their final semester so that possible deficiencies in degree requirements can be identified early.

## **Minimum Hours**

 Students pursuing a Bachelor of Science in Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Economics must complete a minimum of 122-129 semester hours (depending upon degree program) in academic subjects and all required courses for their degree program. These hours exclude physical education courses numbered 100-199 and other non-academic credits (all remedial course work including Reading, English, and Math courses numbered 100 or below). A minimum of 54 semester hours in non-business courses together with a minimum of 54 semester hours in business courses are required for graduation. 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.

## **Catalog Year Policy**

Students must fulfill the degree requirements stated in the catalog in effect at the time of their admission to the University of Louisville provided they have not had a break in enrollment of two or more calendar years. If a student has a break in enrollment of two or more calendar years, the student must apply for readmission to the College of Business and, if admitted, will be subject to catalog requirements in effect at the time of readmission. Therefore, students need to schedule an appointment to be advised immediately upon readmission to the College of Business. Students may elect to follow the most recent degree program requirements established subsequent to their initial entry in the College of Business. The University reserves the right to issue and require immediate compliance with the new requirements as may be needed to respond to certification, licensure and accreditation issues. Any exceptions must be approved by the COB Undergraduate Studies Committee.

## **Grade Point Average**



Candidates for the Bachelor of Science in Business Administration, Bachelor of Arts in Economics, and the Bachelor of Science in Economics must achieve a 2.8 University GPA and a 2.8 GPA in all major courses (includes major courses that are transferred).

## **Residence Requirements**

Students must complete a minimum of 60 hours at a four-year college and at least 30 of the last 36 hours enrolled in the U of L College of Business in order to receive a degree from the University of Louisville. Additionally, transfer students must take a minimum of 12 credit hours in their major within the College of Business.

## **Senior College Hours**

Fifty semester hours of required and elective courses must be completed at the senior college (300/400) level. Note that the number of the course, not the student's classification, determines whether or not a course is senior-level.

## **Other Stipulations**

All incompletes must be removed by the end of the final semester. All tuition, fees, fines, and other charges must be paid in full prior to graduation.

## **Graduation with College Honors**

Candidates for the Bachelor of Science in Business Administration, Bachelor of Arts in Economics, and Bachelor of Science in Economics may receive their degree with honors, high honors, or highest honors by meeting the following criteria upon completion of their final semester. Degree with Honors: requires a 3.5 University GPA and a 3.5 GPA in the major. Degree with High Honors: requires a 3.75 University GPA and a 3.75 GPA in the major. Degree with Highest Honors: Students may graduate with highest honors with or without a thesis project.

1. With Thesis Project: requires a minimum of 3.75 University GPA and a minimum 3.75 GPA in the major at the beginning of the semester in which the student plans to graduate. The 3.75 GPA minimums must be maintained through the final semester prior to graduation. In addition, the student must write a thesis in his or her major, according to the following procedures:
  - a. 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.
  - b. 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.

c. 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. Minimum expectations include a typed manuscript that strictly follows the rules of English grammar.

d. 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.

e. After reviewing the thesis, the Honors Committee will forward a positive or negative recommendation as well as 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.

The candidate who disagrees with the Honors committee recommendation may appeal 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' office 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.

2. Without Thesis Project: requires a minimum 3.90 University GPA and a minimum 3.90 GPA in the major.

**Note:** Students pursuing a double major must have the appropriate minimum GPA's in both majors to receive their degree with honors, high honors, or highest honors.

***To graduate as an Honors Scholar in Business:***

You must complete at least 24 hours of honors courses with at least 18 hours in the College of business, 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 will be non-business. Your final cumulative University GPA must be 3.5 or higher.

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# Academic Dishonesty

## 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, which can be found in the "General Information" section of this catalog.

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.

The COB will not tolerate 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 in the Undergraduate Catalog. 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. Academic penalties are imposed by the faculty member and include penalties such as:

- i) resubmission of an alternative assignment or test
- ii) F on the assignment/test
- iii) F for the course grade

The severity of academic penalty is commensurate with the academically dishonest event. It is the faculty member's responsibility to determine the academic penalty and if an informal or a formal

course of action is required.

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 paragraph 3 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 Cochair. 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 of the College of Business who will apprise the student of the policies and procedures regarding grievances. The text of the academic and non-academic student grievance procedures are contained in the "General Information" section of this catalog.

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# Faculty and Department Information

## School of Accountancy

Faculty

### Director

William D. Stout, Ph.D.

University of South Florida

CPA (Connecticut)

Associate Professor



### Professors

Sidney J. Baxendale, D.B.A.

Indiana University

CPA, (Kentucky and Indiana) CMA

Betty C. Brown, Ph.D.

Virginia Polytechnic Institute and State University

CPA, (Kentucky) CMA

Richard E. Coppage, D.B.A.

University of Kentucky



CPA, (Kentucky) CMA

Benjamin P. Foster, Ph.D.

University of Tennessee

CMA, CPA, (Kentucky)

Alan S. Levitan, D.B.A.

University of Kentucky

CPA, (Kentucky and Illinois)

**Associate Professors**

Alan N. Attaway, Ph.D.

University of Cincinnati

Archie W. Faircloth, D.B.A.

University of Kentucky

CPA, (Kentucky)

Julia N. Karcher, Ph.D.

Florida State University

CMA

Wyatt McDowell, J.D., L.L.M.

Capital University

Trimbak Shastri, Ph.D.



University of Oklahoma

CIA, CMA, CA

### **Assistant Professors**

John R. Kuhn, PhD. (candidate)

University of Central Florida

CPA (Florida), CISA

Elizabeth A. Payne, Ph.D

University of Kentucky

CPA (Kentucky)



### **Instructors**

Lisa M. Blum, J.D., L.L.M.

New York University

CPA (New York)

Sheila A. Johnston, M.B.A., MT

University of Louisville

CPA, (Kentucky) CMA

Mark E. Smith, J.D.



University of Louisville

CPA and Attorney, (Kentucky)

Christy Burge, MBA

Bowling Green State University

**Department of Computer Information Systems**

Faculty

**Chair**

Ted J. Strickland, Jr., Ph.D.

University of Arizona

Associate Professor

**Professors**

Brian L. Dos Santos, Ph.D.

Case Western Reserve University

Frazier Family Professor of Computer Information Systems

S. Srinivasan, Ph.D.

University of Pittsburgh

Jozef Zurada, Ph.D.

University of Louisville

**Associate Professors**

Robert M. Barker, Ph.D.

Syracuse University



Satish Chandra, Ph.D.  
University of Cincinnati

Jian Guan, Ph.D.  
University of Louisville

**Assistant Professors**

Andrew T. Cobb, M.Eng.  
University of Louisville



Mark A. Gill, Ph.D.  
Arizona State University

Veronica Hinton-Hudson, Ph.D.  
University of Louisville

Andrew L. Wright, Ph.D.  
University of Louisville

**Instructors**

Diana I. Kline, Ph.D.  
The Ohio State University



**Executive-in-Residence**

Sharon A. Kerrick

**Department of Finance**

Faculty

**Chair**

Frederick W. Siegel, Ph.D.

University of Illinois

Associate Professor

**Professors**

Jay T. Brandi, Ph.D.

University of Arizona

Hazel J. Johnson, Ph.D.

University of Florida

R. Charles Moyer, Ph.D.

University of Pittsburgh

Dean

Dianna C. Preece, Ph.D.

University of Kentucky

Russ Ray, Ph.D.

University of Michigan



**Associate Professors**

Rohan A. Christie-David, Ph.D.

University of South Carolina

James R. McCabe, Ph.D.

University of Missouri

**Assistant Professor**

Imad A. Elhaj, Ph.D.

The George Washington University



**Department of Management**

Faculty

**Chair**

Lyle Sussman, Ph.D.

Purdue University

Professor

**Professors**

Arthur J. Adams, Ph.D.

University of Iowa



James O. Fiet, Ph.D.

Texas A&M University

Brown Forman Chair in Entrepreneurship

Mahesh C. Gupta, Ph.D.

University of Louisville

Frank E. Kuzmits, Ph.D.

Georgia State University

Robert L. Taylor, D.B.A.

Dean Emeritus

Indiana University

Randall L. Wells, Ph.D.

Ohio State University

**Associate Professors**

Lynn H. Boyd, Ph.D.

University of Georgia

Reginald A. Bruce, Ph.D.

University of Michigan

Van G.H. Clouse, Ph.D.

Clemson University

Cobb Family Professor of Entrepreneurship



Terrence M. Hancock, Ph.D.

Indiana University

Bruce H. Kemelgor, Ph.D.

University of Illinois

Robert C. Myers, A.B.D.

Columbia University

Robert Nixon

Texas A&M University



Fischer Professor of Family Entrepreneurship

Louis E. Raho, Ph.D.

Florida State University

**Assistant Professors**

Karen Bishop, Ph.D.

The University of Alabama

William I. Norton

University of South Carolina



**Executive-In-Residence**

Susan Newkirk-Moore, Ph.D.

University of Tennessee

Elaine J. Robinson, J.D.

University of Louisville

Roger W. Schipke, MBA

Washington University

**Entrepreneur-In-Residence**

Susanne Bergmeister, MBA

Cornell University

**Department of Marketing**

Faculty

**Chair**

P.S. Raju, Ph.D.

University of Illinois

Professor

**Professors**

Richard Germain, Ph.D.

Michigan State University

Challenge for Excellence Chair in Supply Chain Management



Raymond W. LaForge, D.B.A.

University of Tennessee

Brown-Forman Professor of Marketing

Subhash C. Lonial, Ph.D.

University of Louisville

**Associate Professors**

Michael J. Barone, Ph.D.

University of South Carolina



David J. Faulds, Ph.D.

University of Iowa

Dennis Menezes, Ph.D.

University of Cincinnati

**Assistant Professors**

Robert E. Carter, Ph.D.

University of Cincinnati

Charles L. Sharp, Ph.D.

University of Wisconsin–Madison



**Executive-In-Residence and Director of International MBA Programs**

Wayne Jones, Ph.D.  
Marquette University

**Department of Economics**

Faculty

**Chair**

John Vahaly, Ph.D.  
Vanderbilt University  
Associate Professor

**Professors**

Paul A. Coomes, Ph.D  
University of Texas

Stephan F. Gohmann, Ph.D.  
North Carolina State University

Babu Nahata, Ph.D.  
Northern Illinois University

John P. Nelson, Ph.D.  
University of Kentucky

James R. Ramsey, Ph.D.



University of Kentucky

U of L President

**Associate Professors**

Nan-Ting Chou, Ph.D.

The Ohio State University

Per Fredriksson, Ph.D.

University of Pennsylvania

Alexei I. Izyumov, Ph.D.

Academy of Sciences, USSR



Audrey Kline, Ph.D.

Auburn University

**Assistant Professors**

Guido Cataife, Ph.D.

Washington University - St. Louis

Jose` M. Fernandez, Ph.D.

University of Virginia



Barry M. Haworth, Ph.D.

University of California - Davis

Lingfang (Ivy) Li, Ph.D.

University of California - Irvine

**Department of Economics**

**Equine Business Program**

Faculty

**Program Director**

Richard W. Wilcke, B.S.

Kansas St. University

**Program Coordinator & Instructor**

Terri Burch, M.S.

University of Kentucky

**Lecturer**

Robert L. Heleringer, J.D.

University of Louisville

Robert Jennings, CPA, CFP

Colorado State University

Joel B. Turner, JD

Golden Gate University

**Executive-In-Residence**

Timothy T. Capps, M.A.

Harvard

**Emeritus Faculty**

***College of Business***

John R. Craf, Ph.D.

New York University

Professor Emeritus of Marketing and Dean Emeritus

Kathleen Drummond, Ph.D.

Northwestern University

Professor Emerita of Administrative Services

Edna L. Hebard, Ph.D.

New York University

Professor Emerita of Business Administration

John F. Mead, Ph.D.

Univeristy of Kentucky

Peter M. Mears, D.B.A.

Mississippi State University



# Continuing Studies Program

## Admission Policies

Continuing Studies is a non-degree granting unit that admits adult students who want to begin or return to college as part-time students. Academic advisors work closely with students to help them become eligible for transfer to a degree-granting unit by completing required college-level courses. Advisors provide the academic and support services necessary for student success and retention.

In order to be admitted to Continuing Studies, applicants must complete an application for Undergraduate Admission. Applicants are exempt from the application fee because there is no formal review of credentials. Transcripts and ACT scores are not required. However, post-baccalaureate students who wish to take pre-requisite courses for a graduate-level program will need to submit a transcript to verify their status.

Continuing Studies students must adhere to the University Code of Student Conduct. The Code of Student Rights and Responsibilities and other policies and rules found in the Student Handbook apply to all students.

Continuing Studies students must meet the following criteria unless they petition the Continuing Studies Office for exception:

Applicants must be at least 25 years old.

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.

## Advising Requirements

All newly admitted Continuing Studies students must contact the Continuing Studies Office before they can register for classes. Degree-seeking students are strongly encouraged to meet with their academic advisor in Continuing Studies each semester.

Advisors meet with students individually to review placement test scores, previous academic work, unit and university academic policies, and academic interests and goals. These academic advising sessions are designed to produce a schedule of courses suited to the needs of each student. Students may schedule an advising appointment by calling (502)852-6703 or by visiting the Continuing Studies Office in 126 Strickler Hall.

## 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 Disabilities Resource Center (502) 852-6938.

## **Transfer Credits**

Transfer credits are formally evaluated only when students are accepted into a degree-granting unit. Continuing Studies informally evaluates credits to help direct students into proper course work.

## **Enrollment**

Students must be admitted to the University and registered for classes by the end of the first day of classes.

- 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.
- Degree-seeking undergraduate students may remain in Continuing Studies until they have accumulated 24 credit hours.
- Degree-seeking 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. Units will determine which of a student's previously earned credits will apply to a particular degree or major.

## **Academic Policies**

### **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) taken in the 1998 fall semester or after will not be used in the earned hours or University Grade Point Average calculation.

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 of 6 enrollment semester hours. Students interested in academic support should contact the Continuing Studies Office at (502) 852-6703 to schedule an advising appointment. Failure to attain a 2.0 GPA after two semesters results in Academic Probation and a restriction of 3 enrollment semester hours. Academic support is available for students on Academic Probation. Students interested in developing an academic support plan should contact the Continuing Studies Office at (502) 852-6703 to schedule an advising appointment. In any subsequent semester, a student whose Grade Point Average falls below 2.0 will be dismissed from Continuing Studies.

Continuing Studies will notify the Registrar's Office when a student is dismissed. The student is responsible for withdrawing from classes in order not to incur any charges.

## **Period Out**

Students dismissed from Continuing Studies after a fall semester must sit out the following spring semester; students dismissed after a spring semester must sit out the following summer and fall semesters; and students dismissed after a summer semester must sit out the following fall semester.

## **Readmission**

Students dismissed from Continuing Studies may appeal to the Continuing Studies Office 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 in the Admissions Office. 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 dismissed 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 Rehab, 4C's or military/GI Bill) may petition to the Continuing Studies Office for an overload.

## **Federal Veterans Educational Benefits**

Students may not be eligible for benefits while enrolled in Continuing Studies. Call Registrar's Office at (502)852-7325 for details.

## **Financial Aid**

Continuing Studies students, beginning Fall 2004, are no longer eligible for State or Federal Financial Aid.

**Mailing Address**

REACH

Continuing Studies

University of Louisville

126 Strickler Hall

Louisville, KY 40292

**Telephone Number**

Counseling/Advising

(502) 852-6703

Fax (502) 852-4184

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# **School of Dentistry (Dental Hygiene Program)**

**Admissions Policies**

**Student Services**

**Advising Requirements And Registration Information**

**Academic Policies**

**Academic Achievement Guidelines**

**Student Conduct, Discipline and Grievance Procedures**

**General Requirements for Baccalaureate Degree**

**Program, Faculty and department Information**





# Admissions Policies

## Admissions Policies and Procedures

All applicants should refer to the information included in the University of Louisville catalog relative to general admission policies. Applicants may obtain additional specific information regarding admission to the Upper Division professional component of the Bachelor of Science Dental Hygiene Degree Program. Correspondence should be addressed to the Dental Hygiene Admissions Advisor, Office of Student Affairs, University of Louisville School of Dentistry; Louisville, Kentucky 40292. The telephone number is (502) 852-5081. General information and an application may also be obtained online at [www.louisville.edu/dental/future-students/](http://www.louisville.edu/dental/future-students/).

Admission to the Lower Division does not guarantee admission to the Upper Division (Professional Curriculum).

## Admission Requirements for Lower Division:

### Special Admission Option for High School & Lower Division DH Students

#### Upper Division Pre-Placement Program (UPP):

 Students who have been admitted to the Lower Division of the Dental Hygiene Program and meet the criteria described below, may apply for the Upper Division Pre-Placement Program (UPP). The Upper Division Pre-Placement Program is designed to pre-admit up to 10 high-achieving students into the Upper Division portion of the Dental Hygiene Program. Students selected for the Upper Division Pre-Placement Program will be required to maintain a specific GPA in the Lower Division and will agree to begin Upper Division courses for a specific semester. UPP students who have complied with the program requirements will NOT have to apply for competitive admission to the Upper Division— their admission is guaranteed! Five spaces are reserved for high school seniors who will be first-time freshmen at the University of Louisville in the Fall semester. In the Spring, five spaces are reserved for freshmen students who have successfully completed the first semester of fulltime course work and meet the GPA requirement.

**Application deadline for both these types of UPP admissions is Jan. 15.**

High School Seniors who are looking to enter the Dental Hygiene Lower division should apply online: <http://admissions.louisville.edu/aid/guaranteed.htm>

First-time Freshmen who are finishing their first semester in the Dental Hygiene Lower Division should contact the Dental Hygiene Advisor for the appropriate UPP Application form.

#### Criteria for Upper Division Pre-Placement Program (UPP)

#### Admission requirements for high school seniors:

An applicant must:

- Have been admitted to the U of L Lower Division Dental Hygiene program
- Have an ACT composite score of 25 or higher
- Have a high school GPA of 3.0 or higher
- Accept a start date to begin Upper Division courses for a specific semester
- Maintain a cumulative GPA of 3.0 or higher each semester of enrollment in the Lower Division
- Submit the UPP application (online form located at <http://admissions.louisville.edu/aid/guaranteed.htm> )
- Submit supplemental application materials:
  - letter of recommendation from high school guidance counselor
  - essay of 500 words or less describing your interest in a career in dental hygiene
  - documentation of 12 hours of observation of dental/dental hygiene practice
- Applicants whose native language is not English must submit official TOEFL iBT scores. Preference is given to candidates with a minimum score of 100 and with listening and speaking section scores at 26 or above.

Submit supplemental application materials to:

Scholarships/Guaranteed Early Admissions  
 Office of Admissions  
 Dept. AO  
 University of Louisville  
 Louisville, KY 40292

**Admission requirements for U of L Lower Division Dental Hygiene freshmen students:**

An applicant must:

- Successfully complete one full-time semester of required Lower Division courses at the 100-level or above with a cumulative GPA of 3.0 or higher (including at least one required science course)
- Submit the UPP application
- Submit an essay of 500 words or less describing your interest in a career in dental hygiene - Submit documentation of 12 hours of observation of dental/dental hygiene practice
- Accept a start date to begin Upper Division courses for a specific semester

- Maintain a cumulative GPA of 3.0 or higher each semester of enrollment in the Lower Division.

- Applicants whose native language is not English must submit official TOEFL iBT scores. Preference is given to candidates with a minimum score of 100 and with listening and speaking section scores at 26 or above.

If you have questions, please contact the Dental Hygiene Admissions and Academic Advising Counselor in the Office of Dental Student Affairs at (502) 852-5081.

## **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.

## **Admission in Conditional Standing**

Students who meet the following criteria may be admitted in conditional standing:

- 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 20 Students in conditional standing become students in good standing if their University GPA is 2.8 or above after completion of their 1st semester.

The University Grade Point Average (GPA) is based on all college-level undergraduate courses taken at the University of Louisville. Students will be placed on warning if after completion of their 1st semester their university GPA is less than 2.8.

Undergraduate lower division students on academic probation are notified that their achievement is below expectations and are subject to course and/or credit hour limitations, specified course registration requirements, or other intrusive advising interventions as deemed appropriate by their enrollment unit.

## **Transfer Students**

### **Admission in Good Standing**

Transfer applicants with 24 hours or more must have a college grade point average of 2.8 or higher to

be admitted in good standing.

## **Admission in Conditional Standing**

There is no conditional admission for transfer students.

## **Intra-University Transfer Students (IUT)**

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 IUT application that can be found at: [www.louisville.edu/provost/iut](http://www.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.

## **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 must:

1. Complete the required pre-professional (prerequisite) courses or be in last semester of completion

- English 101\*
- English 102\*
- Speech/Public Speaking 111, 112 or 115
- Psychology 201
- Sociology 201 or 203
- Math (one from Gen Ed list)\*
- Intro. to Biological Systems 102\*
- Intro. To Biological Systems Lab 104\*
- Anatomy & Physiology I 260\*\*
- Anatomy & Physiology II 261\*\*
- Anatomy & Physiology Lab 262\*\*

- Chemistry 101 or 105\*\*
- Nutrition 303\*\*
- History 101 or 102
- Cultural Diversity (6 hours –at least 3 hours must be CD1)
- Arts & Humanities (one in each)
- Social & Behavioral Sciences (one course at 200 or 300 level)

**Notes:**

\* Must have a grade of “C” or better in these courses.

\*\* Students must make a “C” or above in these courses and must have completed them no more than 5 years before Upper Division admission. Transfer credit for science courses taken prior to the last five years will be evaluated on an individual basis.

2. Have earned a cumulative and pre-professional (prerequisite) program grade point average of 2.8 or higher (applies to U of L students admitted Fall 2008 or after). The cumulative GPA for admission to Upper Level Dental Hygiene is calculated based on all course work completed at accredited post-secondary institutions. The pre-professional program cumulative GPA is based on all required pre-professional curriculum course work.

3. If new to U of L, submit a University of Louisville Undergraduate Application. If enrolled in a U of L department other than Dental Hygiene (such as A&S, Nursing, etc.) at U of L, submit an online IUT (Intra-University Transfer) request for admission to the Upper Division of the Dental Hygiene Program (DHU). Available online at: [http:// www. louisville. edu/ provost/ iut/](http://www.louisville.edu/provost/iut/)

Please note: Step 3 does not apply to Lower Division DH students. They need only complete Steps 4 and 5 below.

4. Submit a Dental Hygiene Professional Application (available online at :

[http://www.louisville.edu/dental/future\\_students/dental\\_hygiene/prof.pdf](http://www.louisville.edu/dental/future_students/dental_hygiene/prof.pdf))

5. Return the DH Professional Application to the Student Affairs Office in the School of Dentistry along with the following documents:

a. Statement of 12 hours of dental work experience/observation

b. Three letters of recommendation

c. A 150 word personal statement stating why you wish to become a member of the dental hygiene profession.

d. Send a progress grade report signed by the instructor from any college course in progress during the spring semester to the professional dental hygiene advisor at the School of Dentistry. The grade report is due by March 10.

e. Applicants whose native language is not English must submit official TOEFL iBT scores. Preference is given to candidates with a minimum score of 100 and with listening and speaking section scores at

26 or above.

Upper Division application deadline is March 1. Students are admitted to the Upper Division in the Fall term only.

The Committee on Admissions of the Dental Hygiene Program selects applicants for the Dental Hygiene Program. All required forms and transcripts must be received by the Dental Hygiene Program by March 1. Students are admitted to the Fall Semester only each academic year. Applicants will be informed of the decision of the Committee on Admissions and, if accepted will be requested to send a \$150 deposit to the School of Dentistry to reserve a place in the class. This amount will be applied as a credit toward the regular registration fee at the time of enrollment. This sum will be forfeited in the event that the student should cancel the reservation in advance or fail to appear for enrollment.

### **Upper Division Transfers from another Upper Division program-**

The University of Louisville School of Dentistry considers Upper Division Dental Hygiene transfer students (coming from the Upper Division of 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 as a transfer student. For more information, call the Dental Hygiene advisor in the School of Dentistry Office of Student Affairs at 502-852-5081.

#### **Orientation**

Students admitted to the Lower Division of the Dental Hygiene Program will be issued a certificate of admission by the University's Office of Admissions. Freshman students and transfers with less than 24 credit hours will be required to attend a new student orientation. Students admitted to the Upper Division of Dental Hygiene will be required to attend an orientation conducted by the Program in Dental Hygiene.

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 web page, emails, and Blackboard postings) to be informed about credits, requirements, and to abide by the regulations of the University and the School of Dentistry. Additional policies are published in the Program of Dental Hygiene Student Handbook. This handbook is distributed during orientation upon acceptance into the program and is updated annually.

#### **Catalog Year**

The curriculum of the Dental Hygiene Program, including appropriate changes in course content, is routinely revised to reflect current changes in the delivery of dental services. Therefore, the catalog years must correspond with the requirements specified at the time of the student's graduation. This assures that the dental hygiene graduate has the level of competency necessary to enter the dental hygiene profession at the time of his/her graduation. The School of Dentistry and/or the University reserve the right to change programs of study, academic policies, academic requirements, fees, schedules of courses, or the announced academic calendar without prior notice.

#### **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.

## **Transfer Equivalency Determination**

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.

## **Residency**

For the Bachelor of Science in Dental Hygiene degree, thirty (30) of the last thirty-six (36) semester credit hours must be completed at the University of Louisville School of Dentistry.

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# Student Services

## Office of Dental Student Affairs

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. The office is located in Room 231 in the School of Dentistry. Office hours are 8:00 am to 5:00 pm Monday through Friday. The phone number is (502) 852-5081.

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, or they do not know where else to go for assistance.

Students are required to come to the Office of Dental Student Affairs the following:

1. Advising and Referral to University Resources
  2. Complete Withdrawal from all courses or School of Dentistry
  3. Schedule Changes
  4. Leave of Absence Request (more information is available in the Student Policy Handbook)
  5. Evaluation of Transfer Credits
  6. Repeat Options
  7. Determination of Status
  8. 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 U of L website at [www.louisville.edu](http://www.louisville.edu) or in the Registrar's Office on Belknap Campus or by calling that office at 852-6522.
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# Advising Requirements And Registration Information

## Advising

### Lower Division Advising

The admissions and academic counselor for the Lower Division Dental Hygiene program has office hours on both the Belknap and HSC campuses. Students may call 852-5081 for an appointment on either campus. Freshmen students and transfers with less than 30 hours 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. All Dental Hygiene students are encouraged to meet with an advisor to seek support and referral information as needed.

### Upper Division Advising



Academic advising is available through the Dental Hygiene Program. The program has an admissions/academic counselor as well as a designated faculty member and the program director who serve as the academic advisors for students when they are enrolled in the Upper Division Dental Hygiene Program. The admissions counselor and the academic advisors work closely together to insure that both applicants and enrolled students are apprised of the academic requirements of the Dental Hygiene Program.

The Office of Student Affairs in the School of Dentistry 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. In addition, Dental Hygiene faculty members are available to counsel students on professional dental hygiene concerns.

## Registration Procedures

Lower Division students are strongly encouraged to participate in early registration to help ensure that space is reserved in the required courses.



Early registration for fall and summer semesters is generally in April; early registration for spring semester is generally in late October through November. Consult the Schedule of Courses for specific dates. Specific registration instructions will be listed in the Schedule of Courses for each semester. Additional registration information can be found in the Undergraduate Catalog under General Information.

Admitted Upper Level Dental Hygiene students obtain their schedule of required courses from the Dental Hygiene Program and the Office of Student Affairs in the School of Dentistry.

## **Minimum and Maximum Course Loads**

The normal program of studies in the fall and spring semesters is 12-16 semester hours, and the maximum of 17 semester hours. Students who have superior scholastic records may request to carry 18 semester hours. The maximum load in summer sessions is 3 semester hours for the first term and 7 semester hours in a second term. Students on academic warning and probation and students admitted on limited load are limited to 14 hours during the fall and spring semesters and to a total of 10 semester hours during the summer session.

The normal program of studies in the Upper Level for fall and spring semesters for the junior year is approximately 17-18 semester hours. The normal course load in the summer session is approximately 5 semester hours. The senior course load for fall is approximately 18 and 12 for the spring semester.

## **Course Enrollment Standards**

Enrollment units may establish grade point average standards that exceed the minimum grade point average requirements of the University. Students are strongly encouraged to familiarize themselves with the academic policies of the Program in Dental Hygiene. Should an undergraduate student fail to meet these requirements, they may be subject to enrollment restrictions, course repetition requirements, other corrective interventions, and ultimately dismissal from the Dental Hygiene Program. A student who is dismissed from their enrollment unit may seek immediate transfer to an enrollment unit for which their cumulative grade point average is acceptable.

## **Drop/Add Withdrawal Procedures**

Information and assistance regarding Drop/Add and Withdrawal procedures should be obtained through the Dental Hygiene Program's Academic Advisor.

Late complete withdrawals are those requested after the official deadline to withdraw has passed. Proper documentation of special circumstances must accompany the petition for a late complete withdrawal, which the student shall submit to the appropriate official or committee of the enrollment unit. The enrollment unit shall request and consider all instructors' recommendations in deciding on the petition.

## **Repetition of Courses**

Students may repeat to replace a maximum of four (4) courses with grades of F, D, or C. For these four courses, only the last grade attained will be used in the grade point average calculation. A course in which a grade of D or C was originally attained may be repeated only once under the repeat-to-replace option. Students are not required to repeat an F grade unless the course is specifically required for graduation. Students should be aware that all grades are displayed on the official transcript even after the repeat. All Schools and Colleges within the University will honor any previously granted repeats from other Schools and Colleges within the University. A repeat form must be filed to activate this

option. A course retaken for which this option is not requested will allow both grades to be used in the grade point average calculation; but students cannot receive double credit in hours required for the degree.

The authority to grant permission for a student to repeat a professional course lies with the Dental Hygiene Academic Achievement Committee.

## **Audited Courses**

Audited courses do not earn credit. The transcript will indicate that the course was taken as an audit. Specific work expectations that will warrant the audit designation on the transcript should be confirmed with the instructor offering the course. Students who have registered as auditors will not receive credit for the course unless their registration has been changed officially from audit to credit by the published deadline for such change. 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. In order for a required course to be counted for a degree, any required course taken as an audit must be retaken for credit. Students are advised to consult with the Dental Hygiene Academic Advisors to determine if registration as auditors will satisfy the intended purposes.

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. If a student takes a course for both audit and credit, the transcript will show both entries. Audit status is offered only on a space available basis. For that reason, students may not register for a class in audit status during the early registration time frame. Students may register for classes in audit status during regular registration (after early registration financial cancellations) and then only with written approval of the instructor of the course. Students are allowed to change from audit to graded status or from graded status to audit status at any time from the beginning of regular registration through the last day to add a class so long as they have the approval from the course instructor. Students are advised that such approval is the instructor's prerogative and that the audit status may have implications for financial aid eligibility. Any change of status must be submitted on the form provided in the Schedule of Courses. Forms must be turned in to the Registrar's Office by the required date.

## **Pass/Fail Courses**

For Lower Division students, all courses must be graded. Course directors of clinical or professional didactic courses in Upper Division may use the pass/fail system of grading their courses with the approval of the Director of Dental Hygiene. The dental hygiene student does not have an option to take professional courses other than those designated as pass/fail on the pass/fail basis. If the pass/fail system is used, the grade will not be calculated in the cumulative GPA.

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# Academic Policies

## Concurrent Registration in Another Institution

A student may choose to complete a nonprofessional course in another institution. Specific permission must be given to take a professional course at another institution and must be granted prior to the student enrolling in the professional course at another institution. A student may enroll in another institution through Metroversity on a concurrent basis and/or a student may enroll as a visiting student.

## Metroversity Courses

See the General Information section of this catalog for information on enrolling in Metroversity courses. Because the courses of the member institutions differ, not all courses available through this plan meet this College's requirements. Students should consult a dental hygiene advisor to determine whether specific Metroversity courses that interest them will meet this School's requirements.

## Visiting Student Status

Dental Hygiene students will be allowed to visit other colleges or universities only with written permission. Considerations include academic standing (students must be in good academic standing), course equivalency, and number of course credit hours. Total course load cannot exceed 17 hours. Failure to follow these guidelines may result in loss of credit.

## Academic Bankruptcy

University of Louisville students who have been out of higher education for at least two years and then return to achieve a 2.80 grade point average or higher on at least the first 12 degree applicable credit hours after readmission are eligible to apply for Academic Bankruptcy. All degree applicable courses taken during the term in which the 12 hour minimum is attained will be considered in determining eligibility for bankruptcy. (All courses taken during the term in which the twelve-hour minimum is attained will be considered in determining eligibility for bankruptcy).

After these 12 hours have been attempted, the student must petition the Admissions and Appeals committee for academic bankruptcy, designating the term or consecutive sequence of terms to which the bankruptcy process is to apply. University of Louisville students are advised that while bankrupted course grades are removed from the calculation, the course work does remain a part of their permanent record and that the bankrupt work may be considered for financial aid purposes, NCAA purposes, and may be evaluated if applying for honors or graduate/professional study. Academic actions, such as probation or dismissal, recorded at the end of the voided terms, may also remain. Additionally, students must be aware that Academic Bankruptcy is an internal policy and the University of Louisville cannot guarantee how the work will be viewed by another university should the student choose to transfer. Students wishing to examine this option are advised to see an advisor in their enrollment unit for details of the process. Bankrupt semesters will not apply toward enrollment

semester when determining catalog year. Bankruptcy may be declared only once.

## **Class Attendance Policies**

### **Lower and Upper Division**

Class attendance policies are determined by the individual instructors. Instructors must announce policies relevant to attendance and, if announced, may use attendance and/or participation in discussion, field work, and laboratory work in determining grades.

### **Upper Division Only**

When the absence of students interferes with their work in a course, instructors may recommend to the Program Director that the students be dropped from the classes. If this recommendation is approved under the provision of a performance evaluation hearing, students will be withdrawn and assigned the grade of "W".

Instructors are not required or expected to investigate prolonged absences. Students who intend to drop a class, but who stop attending without processing a Change of Schedule Form will remain on the class roster and instructors will assign these students the grade of "F".

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# Academic Achievement Guidelines

## **Introduction**

These 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. Section I of these guidelines apply only to students enrolled in the Dental Hygiene (DHL) Program Lower Division and Section II guidelines apply exclusively to the students enrolled in the Dental Hygiene (DHU) Program Upper Division.

## **Committee Organization and Operation**

### **DH-AAC Guidelines**

These DH-AAC Guidelines shall be the principal standard used in determining the status of each DH student. Approved motions shall constitute recommendations to the Associate Dean for Predoctoral Education through the Chair of the Dental Hygiene Academic Achievement Committee.

Other documents which serve as guidance for non-academic reviews include:

- Ethical problems (“Procedures to be Followed When a Breach of Ethical Conduct is Alleged”, June, 1977)
- Clinical protocol problems (“Clinical Review Board”, June 20, 1986)
- ULSD Clinic Manual
- Existing documents are amended and new documents drafted as specific needs arise.

### **A. Composition of the Dental Hygiene Academic Achievement Committee**

The Academic Achievement Committee is the committee with the authority to make recommendations to the Associate Dean for Predoctoral Education regarding DH student performance. The committee shall be referred to as the DH-AAC throughout this document.

#### **1. Academic Achievement Committee (AAC)**

 The DH-AAC shall be composed of all dental hygiene course directors and full-time faculty members of the dental hygiene program. The Chairperson of the DH-AAC shall be elected by the DH faculty and serve for a period of 3 years. The Chairperson can be re-elected.

## **B. Functions of the DH-AAC**

The Dental Hygiene Academic Achievement Committee (DH-AAC) shall function:

1. to review the academic progress of all DH students;
  2. to make recommendations to the Associate Dean for Predoctoral Education for:
    3. students in real or potential academic difficulty, or - students who have demonstrated outstanding ability, and;
- to propose academic policy development or modification to this document to the Dental School Council through the Faculty Assembly.

## **C. Meetings**

The DH-AAC shall meet on a regular basis at the end of each term (prior to the beginning of the next term). It may also meet during the course if the term (midterm) to evaluate progress of dental hygiene students and at additional times to act on special interim business, (e.g. progress of remediation, removal of "X" grades, etc).

## **D. Scheduling and Notification of Meetings**

A projected schedule of DH-AAC meetings is announced at the beginning of the academic year by the Chairperson. Selection of the actual dates, times, and locations for Standing Committee meetings is made by the Chairperson in consultation with the members of the DH-AAC.

## **E. Meeting Procedures**

The DH-AAC shall meet to discuss student progress in the curriculum to that point in time. Written or electronic notification of meetings shall be circulated to all course directors, department chairs, and DH-AAC members of the School of Dentistry at least five (5) working days prior to a meeting. The DH-AAC will deliberate and make recommendations to the Associate Dean for Predoctoral

Education regarding:

1. Promotion
2. Direct student counseling
3. Remedial work based on departmental recommendations(s)
4. Probation
5. Dismissal

6. Leave of Absence

7. Modification of development of Academic Policy

### **F. Quorum**

A majority of members of the DHAAC present shall constitute a quorum.

### **G. Minutes**

The minutes of the DH-AAC are confidential and shall not be circulated. Faculty may review DHAAC minutes held in the office of the Chairperson of the DH-AAC. A student may have access only to those portions of the minutes which deal directly with the processes affecting that individual.

### **H. Academic Status Report**

A student academic status report shall be distributed by the Chairperson of the DH-AAC to faculty and the department chair of Periodontics, Endodontics and Dental Hygiene following DH-AAC meetings.

### **I. Committee Voting Rules**

Each member of the DH-AAC shall be entitled to one vote with the exception of the Chairperson. The Chairperson is entitled to vote only in the event of a tie vote on the part of the other committee members. Recommendations must be approved by a majority of voting members present.

## **Section I. Lower Division Academic Achievement Guidelines**

### **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, based upon all undergraduate course work taken at the University of Louisville. Courses numbered below the 100-level (000-099) taken in the 1998 Fall semester or after will not be used in the earned hours or University Grade Point Average calculation.

### **Warning-Probation-Suspension**

### **Undergraduate Academic Standards Policy**

The University of Louisville communicates its expectations for undergraduate academic achievement through the Undergraduate Academic Standards Policy. Academic standards are determined by the faculties of the enrollment/degree-granting units. Applicable standards for continuation in a particular enrollment unit can be based upon grade point average, course specific achievement, and in some programs a professional/behavioral component.

### **Academic Standards Lower Division Progression**

1. Good standing in the Dental Hygiene program is a minimum University cumulative GPA of 2.8\*.
2. Students who, after the first semester at U of L, have a cumulative University grade point average below 2.8\* will be placed on Academic Warning. They will be notified that their achievement is below expectations and are subject to course and/or credit hour limitations, specified course registration requirements, or other intrusive advising interventions as deemed appropriate by the Dental Hygiene program.
3. In any semester subsequent to being placed on Academic Warning, a student whose cumulative University grade point average is below 2.8\* will be placed on Academic Probation for the next semester (including Summer) 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, specified course registration requirements, or other intrusive advising interventions as deemed appropriate by the Dental Hygiene program.
4. Students on Academic Probation will have their records evaluated at the end of the probationary semester with one of the following outcomes:
  - student whose cumulative University grade point average is above 2.8\* will be restored to good standing.
  - student whose cumulative University grade point average is still below 2.8\* but who earned a semester grade point average at or above 2.8 will be maintained on probation.
  - student whose cumulative University grade point average is still below 2.8\* and who earned a semester grade point average below 2.8 will be placed on Academic Suspension and will be required to sit out at least one semester (summer terms excluded).
  - students who are suspended or dismissed by the Dental Hygiene program are eligible to apply for admission to another unit and may be admitted if they meet minimum admission standards of that unit. Students who apply for admission to another unit may not enroll in any courses in the Dental Hygiene program.
5. Readmission of suspended students is not guaranteed. In order to be considered for readmission, a student must submit an "Admissions Petition" and an "Application for Undergraduate Admission" to the Office of Admissions. The petition must be received by the Dental Hygiene program Office of Student Affairs after being processed in accordance with University deadlines for submitting Admission Petitions (July 1 for Fall and November 1 for Spring terms). The petition should address the student's perception of the causes of poor performance; the steps the student has taken to address those causes; and a plan of action to return to good standing. Students who are granted reinstatement will be readmitted on probation.

6. No student will be reinstated more than twice; the third suspension is an Academic Dismissal.

\*Applies to students admitted in Fall 2008 or later.

## **Course Specific Policies**

Students must earn a grade of “C” or above in the following courses (or their equivalents):

-English 101

-English 102

-Math

-Intro. to Biological Systems BIOL 102

-Intro. To Biological Systems Lab BIOL 104

-Anatomy & Physiology I BIOL 260

-Anatomy & Physiology II BIOL 261

-Anatomy & Physiology Lab BIOL 262

-Chemistry CHEM 101 or 105

-Nutrition HSS 303

## **Repetition of Science Courses**

The following courses can be repeated only one time:

CHEM 101 or 105

BIOL 260 Anatomy & Physiology I

BIOL 261 Anatomy & Physiology II

BIOL 262 Anatomy & Physiology Lab

Students who do not pass the course the second time will be dismissed from the program.

## **Lower Division Dean’s Scholar and Dean’s List-**

1. To be named a Dean’s Scholar, a student must complete at least 12 hours of graded, earned credit during the semester (excluding I, X, or P) with a minimum University Grade Point Average of 4.0 in

that semester.

2. To be named to the Dean's List, a student must complete at least 12 hours of graded, earned credit during the semester (excluding grades of I,X, or P) with a minimum University Grade Point Average of 3.5 in that semester.

3. Grades from developmental course work (course number below 100) or cooperative education will be excluded from the calculation. This policy does not affect graduation honors.

## **Section II. Review of Upper Division Dental Hygiene Students' Academic Performance**

### **A. Promotion of Students**

"Promotion" refers to academic progression through consecutive semesters as well as consecutive academic years.

### **B. Determination of Grade Point Average (GPA)**

The following grade point scale is utilized for all courses in the DH curriculum:

A 4.0

B 3.0

C 2.0

D 1.0

F 0.0

The DH program does not offer plus/minus grades in the professional curriculum. This policy does not restrict the ability of other faculty or units to award plus/minus grades in their courses. "P/F", "H", "X", and "I" grades shall not be used in calculating a GPA. All courses are assigned credit hours by the Dental Hygiene Curriculum Committee. By multiplying the credit hours for each course by the grade points earned in the course, the total number of academic points for the semester's course work is determined. The cumulative GPA is calculated by adding all academic points earned in the dental hygiene curriculum and dividing by the total number of credit hours taken including failures.

### **C. "F" Grades**

1. The "F" grade indicates failure to achieve at an acceptable level.

2. A student may not graduate without passing all required courses including electives in which they are enrolled.
3. A student cannot receive "DEAN'S LIST" or "DEAN'S SCHOLAR" recognition for a term in which an "F" grade is received.
4. The mechanism (procedures, schedule, completion deadlines, etc.) permitted for the remediation of an "F" grade shall be determined by the course director and program director, subject to approval of the Dean.
5. A course taken at another institution to remediate an "F" grade must be approved in advance by the course director in which the failure occurred.
6. A course director may not average old and new final grades in developing and reporting a new final grade for a student who is making up an "F" grade. The new grade must be based entirely upon the student's performance in the "new" course.

#### **D. "I" (Incomplete) Grades and "X" Grades**

The "I" grade represents insufficient information to permit proper evaluation of the student's performance. The "X" grade means that the course work has not been completed due to the nature of the course (availability of patients, etc.). A student cannot graduate with an "I" or an "X" grade. The following shall determine the disposition of the "I" and "X" grade:

1. An unresolved "I" grade automatically shall be changed to an "F" grade at the end of the next regular semester.
2. All conditions associated with the removal of the "I" grade must be conveyed to the student and Associate Dean for Predoctoral Education in writing within ten (10) working days after the grade has been officially recorded.
3. An "X" grade shall be changed to a final grade upon completion of the requirements of the course.

#### **E. Honors/Pass/Fail (HPF) Grades**

Course directors of clinical disciplines may use Pass/Fail or Honors/Pass/Fail systems of grading in preclinical or clinical courses by permission of the Curriculum Committee. When major courses are graded on a Pass/Fail or other non-traditional system, the DH-AAC may require other evidence of student achievement for review by the DH-AAC during student promotion meetings. If either of these systems is used, the course grade shall be included in the computation of the GPA.

#### **F. Interception and Prevention of Academic Difficulties**

The Chairperson of DH-AAC shall request progress reports from each course director. Each progress report shall list all students' progress and identify those who are in academic difficulty and, to the degree possible, the reason(s) for the problem(s). These data shall be shared with the DH Director and

the Associate Dean for Predoctoral Education. The Office of Student Affairs shall provide counseling and tutoring services to the degree possible.

### **G. Criteria for Honors**

The DH-AAC shall identify students who are worthy of recognition for academic excellence at the end of the Fall and Spring semesters. The following guidelines shall be followed in making recommendations to the Dean.

1. The DH-AAC shall recommend that each student who has a cumulative GPA of at least 3.0 and earns a current term GPA of 3.50 or above be placed on the DEAN'S LIST for that term and receive a congratulatory letter from the Office of the Dean.
2. The DH-AAC shall recommend that each student who has a cumulative GPA of at least 3.50 and earns a current term GPA of 4.0 be designated as a DEAN'S SCHOLAR for that term and receive a congratulatory letter from the Office of the Dean commending him/her for this exceptional level of scholarship.
3. In order to be eligible for recommendation for DEAN'S LIST or DEAN'S SCHOLAR recognition, a student may not have an "F" grade, a "D" grade or a "W" in a required course during the term just completed. Also, the student may not have an "I" or "X" grade unresolved from any of the previous semesters (excluding the term just completed).

### **H. Criteria for Graduation**

1. The student must have completed all required courses and have no outstanding "I", "X", or "F" grades.
2. The student must have a cumulative GPA of at least 2.0 in professional courses required for the baccalaureate degree.
3. The student must be formally recommended for the baccalaureate degree by the ULSD Faculty Assembly and by the Dean, and must be approved for the degree by the Board of Trustees.

### **I. Criteria for Probation**

1. A student shall be placed on probation if he/she:
  - (a) receives an "F" grade, or
  - (b) earns a semester GPA below 2.00, or
  - (c) has a cumulative GPA below 2.00 in either professional or nonprofessional courses.
2. A student on probation shall be:

- a. required to attend all classes/clinics;
- b. required to attend regular remediation sessions if appropriate;
- c. expected to remove himself/herself from probational status within one semester or be subject to a Performance Evaluation Hearing; and d. restricted by the Associate Dean for Predoctoral Education from serving as a class officer or representative on school committees.

## **J. Criteria for Dismissal**

1. Each student enrolled in the dental hygiene program whose GPA falls below the minimum cumulative GPAs shown below shall be scheduled for a Performance Evaluation Hearing.

### **Minimum Cumulative GPA Term GPA**

First year, Fall term 2.000

First year, Spring term 2.000

Second year, Fall term 2.000

Second year, Spring term 2.000

2. A student who otherwise fails to meet the professional expectations of the Dental Hygiene faculty of the School of Dentistry may also be considered for a Performance Evaluation Hearing.

## **K. Performance Evaluation Hearing**

The purpose of a Performance Evaluation Hearing is to provide the members of the DH-AAC with an appropriate forum in which to discuss a student's academic problems and provide an opportunity for direct discussions with the involved student. The consequence of the hearing may result in a recommendation to the Associate Dean for Predoctoral Education.

## **L. Hearing Process**

The Hearing Process shall occur as follows:

1. The dental hygiene student shall receive a written notice to appear for a Performance Evaluation Hearing. The hearing shall be scheduled no sooner than seven (7) days following the DH-AAC motion that a hearing be held. The notice shall include the date, time, and location of the hearing and outline the reason for the hearing. The student shall be granted time to prepare for the hearing. A student who does not wish to exercise the right to a hearing must submit a letter in writing to the Chairperson of the DH-AAC. The DH-AAC must receive such letter in a minimum of 48 hours prior to a hearing date.

2. Prior to the hearing, the student shall be permitted to inspect the student's entire dental school academic record and any other materials upon which the proposed hearing is based.
3. The student shall be permitted to present relevant information and have an advocate present at the hearing. The advocate is limited to another student or faculty member from the University of Louisville School of Dentistry. The advocate may address the DH-AAC only by permission of the Chairperson of the DH-AAC.
4. The DH-AAC may offer, through duly approved motion, any formal recommendation(s) to the Associate Dean for Predoctoral Education deemed appropriate for the circumstances of a specific student, and consistent with these guidelines.
5. The final decision on student progress and promotion rests with the Associate Dean for Predoctoral Education.

### **M. Hearing Outcome**

After reviewing a student's academic circumstance under the provision of a performance evaluation hearing, the DH-AAC may make the following recommendations to the Associate Dean for Predoctoral Education:

1. Dismissal
  - a. A recommendation for the student's dismissal shall be based solely upon the evidence presented at the hearing.
  - b. A recommendation to dismiss a student may include the comment "with preference" or "without preference".
  - c. A recommendation for dismissal without preference reflects a very significant concern over the student's ability to manage the dental school curriculum.
  - d. A recommendation for dismissal with preference reflects the opinion that although the student did not perform well academically, there is the impression that the student possesses the ability to manage the dental hygiene curriculum.

2. Repeat of a Class Year

Repeat the year means repeat the curriculum and the student may begin classes at the beginning of the next academic year. The repeat of an entire year for the purpose of overcoming academic difficulties shall be considered an option when the degree of academic deficiency warrants such a recommendation.

3. Modified or Decelerated Curriculum

After reviewing the DH-AAC recommendation, the Dental Hygiene Program Director, in concert with the appropriate course directors and the department chair, will prepare the special curriculum.

4. Other Recommendations

The DH-AAC may make other recommendations as set forth in section II, paragraph E.

#### IV. Protocol for Revision or Interpretation of AAC Guidelines

Revisions to the DH-AAC Guidelines may be adopted only by:

- Majority vote of the DH-AAC Committee; and
- Approval by the Dental School Council through the Faculty Assembly.

The implementation date of any adopted and approved revisions to the Guidelines shall be the beginning of the next academic year.

The DH-AAC chairperson is responsible for transmitting revised DH-AAC Guidelines to all faculty and students in a timely fashion.

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# Student Conduct, Discipline and Grievance Procedures

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.

## **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.

## **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 school because of 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.

## **Students 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 Predoctoral Education.

## **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 show proof of health care insurance coverage. Students can be covered under the University's Broad Plan coverage. If students carry their own coverage, they can waive the Broad Plan coverage by presenting their insurance card and having a copy made for their file.

The Southern Regional Testing Agency (SRTA) requires that candidates for the dental hygiene exam have liability/malpractice insurance. SRTA does provide insurance for the SRTA exam only.

The student must have liability/malpractice insurance during their extern clinical experiences for various agencies including AHEC. This policy applies to students enrolled in the senior year of the dental hygiene program.

## **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), 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. Compliance must be documented on the "Immunization Reporting Form." The School of Dentistry and/or the University Health Services will send notices regarding missing or pending immunizations or tests on a monthly basis to the Office of Clinic Affairs. Immunization Compliance will be verified at the beginning of each semester. 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. This will constitute an unexcused absence from the clinic sessions missed and will be reflected in the letter grade for attendance. The University of Louisville School of Dentistry will maintain immunization compliance

records for all students, but the University of Louisville Health Services will monitor compliance with the immunization program. The Office of Clinical Affairs will forward notices of missing or pending immunizations or tests to individual students. The Physician Director of the Health Services Office will review any cases requiring special attention. Immunizations or a titer test may be obtained from the student's private physician or through services available at the University Health Services Center. Current information about receiving the vaccine or titer test, including costs, may be obtained from the Office of the Associate Dean for Clinics and Postdoctoral Education at the School of Dentistry.

Students are strongly advised to consider latex allergy testing prior to matriculation if there is a medical history indicating latex sensitivity.

Students who become latex sensitive/allergic, while enrolled in the University of Louisville School of Dentistry must seek a consultation from their private physician. CPR certification for health care providers is also required of students prior to contact with patients. Any student not in compliance will not be allowed in the clinical areas. Documentation of compliance for all students will be maintained by the Office of Clinic Affairs.

## **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.

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# General Requirements for Baccalaureate Degree

## Application for Graduation

All students must submit an application for the respective degree to be awarded. It is the responsibility of the student to submit an online application for degree by the specified date. To submit an online application for degree go to [www.louisville.edu](http://www.louisville.edu) and log on to ULink. Go to "Student Services", then "Registration/Student Records" and then "Degree Application". When you have completed the form, just click on "submit". Students are strongly urged to request a preliminary degree audit prior to their final semester so that any deficiencies in degree requirements can be identified early.

## Graduation and Degree Requirements

A candidate for the Bachelor of Science in Dental Hygiene must have fulfilled the following requirements:

- 
- Satisfactory completion of the required courses or equivalent courses with a 2.00 cumulative GPA in both professional and required non-professional courses.
  - Compliance with the faculty requirements as to professional fitness and ability.
  - Discharge of all financial obligations to the University.
  - Completion of the final year of the professional phase of the Dental Hygiene Program in residence at the University of Louisville.

## Graduation with Honors

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 complete 45 hours of the last 60 hours of work toward the degree in residence. Commencement programs will list eligible students as "Candidates for Honors" based on an Upper Division Dental Hygiene program grade point average of 3.5 or higher earned by the semester preceding the graduation semester. Final determination of a student's eligibility to graduate with Honors will be based on their Upper Division Dental Hygiene program grade point average upon completion of their final semester as follows:

Cum Laude- 3.5

Magna Cum Laude- 3.75

Summa Cum Laude- 3.9

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# Program, Faculty and Department Information

## Program Director

Susan J. Crim, R.D.H., M.S., Ph.D

University of Tennessee

University of Louisville

## Faculty

Janice Butters, R.D.H., M.P.H., Ed.D.

Professor

University of Tennessee

University of Louisville



Susan Collier, R.D.H., M. S. Ed.

Assistant Professor

University of Kentucky

Susan W. Grammer, R.D.H., M.Ed.

Associate Professor

University of Louisville

Linda H. Lewis, R.D.H., M.Ed.

Associate Professor



University of Louisville

Jackie Singleton, R.D.H., M.Ed.

Assistant Professor

University of Louisville

### **Other Faculty**

The Program utilizes instructors from other units in the University. The following faculty of the Schools of Dentistry and Medicine are Course Directors in the Dental Hygiene Program:

Norbert J. Burzynski, D.D.S., M.S.

(Professor, Diagnostic Sciences, Prosthodontics and Restorative Dentistry)

St. Louis University

Thomas J. Clark, D.M.D.

(Clinical Associate Professor, Department of Surgical and Hospital Dentistry)

University of Louisville

Margaret Hill, D.M.D.

(Associate Professor, Periodontics, Endodontics, and Dental Hygiene, School of Dentistry)

University of Louisville

Regan L. Moore, D.D.S., M.S.D.

(Associate Professor, Periodontics, Endodontics, and Dental Hygiene, School of Dentistry)

Ohio State University

Robert H. Staat, Ph.D.

(Professor, Biological and Biophysical Sciences, School of Dentistry)

University of Minnesota



**Michael T. Tseng, Ph.D.**

**(Professor, Anatomical Sciences and Neurobiology, School of Medicine)**

**State University of New York at Buffalo**

**Randall Vaught, D.M.D.**

**(Assistant Professor, Diagnosis and General Dentistry, School of Dentistry)**

**University of Louisville**

**Leonard C. Waite, Ph.D.**

**(Professor of Pharmacology, School of Medicine)**

**University of Missouri**



**James P. Scheetz, Ph.D.**

**(Professor, Diagnosis and General Dentistry, School of Dentistry)**







# College of Education and Development

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# Introduction and History of the College of Education and Human Development

The College of Education and Human Development, 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 of the College of Education and Human Development

The College of Education and Human Development contains four departments:

Department of Teaching and Learning Department of Leadership, Foundations, Human Resource Education Department of Educational and Counseling Psychology Department of Health and Sport Sciences. Each department offers curriculum supporting the undergraduate degree programs offered by the College. Each department also offers graduate degrees if students choose to continue their education and advance their professional goals.

## **Degree Programs**

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, occupational training and development, health and human performance, and sport administration.

The College of Education and Human Development also offers minors in school health education, community health, 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 at the University.

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# Admission

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.

## Admission Requirements

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

1. High School grade point average is 2.50 or above, or successful completion of the General Education Development (GED) tests.
2. Completion of the Kentucky Pre-College Curriculum
3. ACT composite score of 21 or above
4. If college credit has been earned, the cumulative college grade point average (based on degree applicable credits) is 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 14 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 at <http://admissions.louisville.edu/ugrd.html>.
2. Request that official transcripts from each institution previously attended be sent to the Admissions Office, University of Louisville. (A student who fails to declare previous attendance at another institution may be dismissed.)
3. Schedule an appointment in the Education Advising Center to have an official program prepared.

## **Additional Requirements for Workforce Leadership Applicants:**

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

1. 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.
2. A minimum of 2,000 hours of supervised work experience in the occupation to be taught is required. For the B.S. in Workforce Leadership with a concentration in Career and Technical Education the applicant must be employed as vocational teacher. Work experience requires two of the four years to have occurred within the past five-year period.

## **Admission to Undergraduate Teacher Education Programs**

1. 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.
2. All candidates must submit a complete teacher education application to the College of Education and Human Development by the deadlines specified in the application packet.
3. Students should request a teacher education application packet from the College of Education and Human Development Advising Office located in the Education Building.

4. The admission requirements are subject to change. Contact the Education Advising Center for the most current information.

5. Please note that admission to teacher education programs is competitive. The admissions committee will be assessing the qualifications of each applicant and his/her potential for success in the program.

Below is a partial list of minimum requirements to apply for admission. Contact the Education Advising Center for a complete listing of admission requirements and application deadlines and forms.

1. Transcripts from all colleges/universities attended must be submitted.

2. Submit scores which demonstrate basic competencies on one of the following tests:

a. ACT: A composite score of 21 or higher is required.

b. SAT: A combined score of 990 or higher is required.

c. PPST (Pre-Professional Skills Test): Minimum scores on all 3 subtests: Reading - 173; Mathematics - 173; and Writing - 172.

3. An overall grade-point average of no less than 2.75 on a 4.0 scale.

In addition to the admission requirements listed above, students will be required to complete prerequisite courses as appropriate to the program selected.

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# Advising Requirements

Students entering degree and/or teacher certification programs must schedule an appointment to see an advisor in the Education Advising Center to have a degree and/or teacher certification program prepared.

Students seeking a bachelor's degree from the Department of Health and Sport Sciences are advised in the Education Advising Center until 60 hours have been earned. After the completion of 60 hours students are advised by department faculty.

Students in any Education undergraduate program who have earned less than 30 credit hours are required to be advised by their assigned advisor in the Education Advising Center before they will be able to pre-register for classes.

Students on academic probation must be advised in the Education Advising Center before they will be able to pre-register for classes.

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# Academic Policies

## 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, based upon all undergraduate course work taken at the University of Louisville. Courses numbered below the 100-level (000 - 099) taken in the 1998 Fall semester or after will not be used in the earned hours or University Grade Point Average calculation.

Transfer students applying directly for admission to the College of Education and Human Development or for admission to Teacher Education will be evaluated for admission on the basis of the cumulative grade-point average of all credit earned (transfer and U of L credit).

## Enrollment Standards

Enrollment units may establish grade point average standards that exceed the minimum grade point average requirements of the University. Students are strongly encouraged to familiarize themselves with standards of their unit. Should undergraduate students fail to meet the requirements of their enrollment units, they may be subject to enrollment restrictions, course repetition requirements, other corrective interventions, and ultimately, dismissal from their enrollment unit. A student who is dismissed from their enrollment unit may seek immediate transfer to an enrollment unit for which their cumulative grade point average is acceptable.

## Transfer Credit Policies

It is the policy of the University of Louisville to accept all academic courses in which credit has been earned at any other accredited college or university. The amount of credit to be transferred will be determined by a transcript evaluation completed by the Office of Transfer Services, and is referred to as matriculation credit. Quality points earned at another institution will not enter into calculation of the University-wide grade point averages. The decision to accept a transferred course in fulfillment of a program requirement (i.e., degree credit) will remain the prerogative of the College of Education and Human Development.

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. A transfer student must earn at least sixty (60) semester hours applicable toward the baccalaureate degree at a fully accredited four-year college or university. Thirty (30) of the last thirty-six (36) semester hours must be earned at the University of Louisville.

When a transcript from an accredited institution records credit granted for non-traditional educational experience (such as credit by examination, by correspondence, or by extension), such credit will generally be allowed, but may not exceed 24 semester hours. No further evaluation is usually necessary, provided that the student has earned 30 or more semester hours in residence at the certifying institution.

## **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 and practices set forth in the American Association of Collegiate Registrars and Admissions Officers Transfer Credit 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. Students should consult the specific catalog section for their enrollment unit.

## **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.

## **Credit for Non-Traditional Work**

### **Conference Work**

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 College of Education and Human Development Advising Center. Signatures of the instructor, department chairperson, and dean are required on the form. The approved course by conference form must accompany the student’s registration form at the time of registration.

### **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 College of Education and Human Development Advising Center. The approved independent study form must accompany the student’s registration form at the time of registration.

## **Awarding of Credit Through Placement Exams**

### **Advanced Placement Examinations**

The College of Education and Human Development awards on the basis of scores on the Advanced

Placement Examinations of the College Entrance Examination Board according to the policies set forth by the College of Arts and Sciences. Refer to page 24 for specific information.

### **CLEP Examinations**

The College of Education and Human Development awards credit on the basis of the College Level Examination Program (CLEP) administered by the College Entrance Examination Board according to the policies set forth by the College of Arts and Sciences. Please refer to that section of the Undergraduate Catalog.

### **Drop/Add Procedures**

Any student wishing to alter his or her schedule of courses in any way must do so officially through the online registration process or on a drop /add form, available in the Dean's Office. Signatures are not required to drop or add if done before the last official day to drop/add a course. The student may add courses only within the first week of the semester. The deadline date for withdrawal without penalty from a course is at the end of the eighth week into the semester. A grade of "W" will be issued. Each semester the registrar will set the actual date in conformity with this regulation. The Dean's signature and signatures of all instructors are required if a change in schedule is processed after the last official day to drop/add. Failure to complete the withdrawal process may result in a grade of "F" in each course involved.

A student may not change registration, either from credit to audit, or from audit to credit, without the permission of the instructor and the dean, and this change will not be permitted after the eighth week of the semester, or the second week of a five-week summer term.

Appropriate adjustments in these time periods are made for the summer session. All actual deadline dates are published by the Registrar's Office, and students should visit their website frequently. Similarly, a student may not change registration from a pass/fail basis to a letter-grade basis, or from letter-grade to pass/fail, without the approval of the instructor, adviser, and the dean, and this change will not be permitted after the eighth week of the semester. The Dean of the student's enrollment unit is responsible for processing grade changes, regardless of the school in which the course is actually located.

### **Pass/Fail Courses**

Any College of Education and Human Development student in good standing may enroll in one non-major course (except oral communication; ENGL 101, 102; MATH 151 AND 152, ART 407, HSS 274 and MUSE 525) each semester on a pass/fail basis. The hours earned are to be counted toward graduation if the student passes. If the student fails, the grade will be treated as an "F" in calculation of the student's academic standing. The student must secure permission of the advisor and the signatures of the instructor for the given course before taking a course on a pass/fail basis. This policy will not apply to courses taught only on a pass-fail basis. No changes from letter grade to pass/fail, or vice versa, may be made after the eighth week of the semester.

## **Normal and Maximum Course Loads**

The normal program of studies is 15 hours per semester. The maximum load is 17 hours. The maximum load for the summer session is 15 hours. Students whose grades have demonstrated their scholastic ability may be permitted by the dean to exceed the maximum. Forms to receive this approval can be secured in the Advising Office. Students who are admitted in conditional status or are on academic probation are limited to 14 hours during the fall and spring semesters. Students on academic probation are limited to 10 hours for the summer session.

No student may receive credit for a course for which he or she has not regularly registered except by obtaining extramural credit. A student will receive credit only for the number of hours officially published with a course except in courses that carry variable credit. No transcript of credit is issued for any student who has unpaid University accounts.

## **Making Up Incompletes**

A grade of "I" means "work in course incomplete" and carries no quality points until the incomplete is removed, at which time quality points are given according to the grade earned. Work must be completed by the end of the next semester. Otherwise the "I" becomes "F" unless an extension has been granted.

## **Class Attendance Policies**

The college has no specific requirements concerning class attendance, although individual instructors may announce their individual policies. The absence of a student from a class session in no way relieves the student of responsibility for work covered or assigned during that session.

When the absences of a student interfere seriously with the student's work in a course, the instructor may recommend to the dean that the student be withdrawn from the class. If this recommendation is approved, the student shall be withdrawn from the class and assigned a grade of "W".

## **Repeated Courses**

Students may repeat to replace a maximum of four (4) courses with grades of F, D, or C. For these four courses, only the last grade attained will be used in the grade point average calculation. A course in which a grade of D or C was originally attained may be repeated only once under the repeat-to-replace option. Students are not required to repeat an F grade unless the course is specifically required for graduation. Since "C" and "D" are passing grades and may be applied toward graduation requirements, the student is advised to weigh carefully the possible advantages of improving his or her standing versus the possible disadvantage of discarding hours already earned. However, a "C" or better is required in all education courses if they are to apply toward teacher certification.

The student who elects to repeat a course under the above regulation should understand that the course can count only once toward graduation. Students should be aware that all grades are displayed on the official transcript even after the repeat. All Schools and Colleges within the University will

honor any previously granted repeats from other Schools and Colleges within the University. A repeat form must be filed to activate this option. For courses retaken for which this option is not requested, both grades will be used in the grade point average calculation, but students cannot receive double credit in hours required for the degree. Permission will not usually be granted for a student to repeat for higher grades lower level courses in areas, which are sequential in nature.

## **Auditing Courses**

A student who desires to attend classes without credit may be admitted as an auditor upon the recommendation of the dean and by paying required fees. Students may audit courses only with the permission of the instructor. Audited courses do not earn credit. The transcript will indicate that the course was taken as an audit. Auditors need to discuss with the instructor offering the course the work expected to warrant the designation on the transcript. The instructor may record a grade of W (withdrawal) for a student who did not complete the coursework expected by the instructor. Students who have been admitted to the College of Education and Human Development in regular status and who have registered for the course as an auditor will not receive credit for the course unless their registration has been changed officially from audit to credit by the published deadline for such change. Students admitted to the College of Education and Human Development under the status "Auditors" are not eligible to take courses for credit and they may not change their class registration from audit to credit. Students are cautioned that audited courses cannot be used to meet graduation requirements (either as an elective or as a specific graduation requirement). In order for a required course to be counted toward a degree, any required course taken as audit must be retaken for credit. Students are advised to consult with the College of Education and Human Development Advising Center or the faculty adviser in their major department to determine if registration as auditors will satisfy the intended purposes. 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 School on a basis that confers eligibility to take courses for credit. If a student takes a course for both audit and credit, the transcript will show both entries. The deadline for changing from credit to audit status or audit to credit status in a course, is the University deadline for registering in any given semester. Students may not enroll to audit a course during pre-registration.

## **Academic Bankruptcy**

Academic bankruptcy allows students who are returning to college after remaining out for an extended period to void one or more consecutive semesters of previous University of Louisville coursework. If the student meets the following criteria and if the College of Education and Human Development Standards and Admissions Committee believe there are extenuating circumstances which warrant such action, the committee may rule the student eligible to declare academic bankruptcy. To be eligible to apply for academic bankruptcy the student:

- Must not have attended any college or university during a period of 2 calendar years immediately preceding this readmission; AND
- Must state in writing the intention to declare academic bankruptcy, specifically designating the term or consecutive sequence of terms to which the bankruptcy process is to apply; AND
- Must be admitted to the College of Education and Human Development, either routinely or by action of the Standards and Admissions Committee.

The student must earn at least a 2.50 quality point standing in all degree applicable courses while attempting the first 12 hours after readmission. (All courses taken during the term in which the 12-hour minimum is earned will be considered in determining eligibility for bankruptcy.) After these 12 hours have been attempted, the student must petition the Standards and Admissions Committee for academic bankruptcy, designating the term or consecutive sequence of terms to which the bankruptcy process it to apply.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations but will remain on the student's transcript. Academic actions such as probation or dismissal, recorded at the end of the voided terms, will also remain.

- No student may declare academic bankruptcy more than once.
- No student may apply for both academic bankruptcy and academic forgiveness.
- Bankruptcy semesters will not apply toward enrollment semesters when determining catalog year.
- No person using these bankruptcy procedures shall be eligible to participate in any intercollegiate competition until the specified grades and courses have been declared void.

## **Academic Forgiveness**

Academic Forgiveness allows currently enrolled students to void one semester of University of Louisville coursework. If the student meets the following criteria and if the College of Education and Human Development Standards and Admissions Committee believe there are extenuating circumstances which warrant such action, the committee may rule the student eligible to declare academic forgiveness. To be eligible to apply for academic forgiveness the student:

- Must be currently enrolled in the College of Education and Human Development; AND
- Must submit a petition to the College of Education and Human Development Standards and Admissions Committee requesting academic forgiveness, specifically designating the term to which academic forgiveness is to apply.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations but will remain on the student's transcript. Academic actions such as probation or dismissal, recorded at the end of the voided terms, will also remain.

- No student may declare academic forgiveness more than once.
- No student may petition for both academic forgiveness and academic bankruptcy.
- Forgiven semesters will not apply toward enrollment semesters when determining catalog years.

## **Withdrawal Procedures and Policies**

Any student wishing to withdraw from courses must do so officially. During published registration and

drop/add dates, signatures are not required to drop a course and this may be done through the web or touch-tone registration. However, if a change is processed after the last official day to drop/add, the form must be signed by the dean or his/her representative, and then presented to the Registrar's Office. Failure to complete this official change or withdrawal process may result in a grade of "F" in each course involved.

No student may withdraw from any course during the final eight weeks of a semester, with this exception: the dean may grant a student's request to withdraw or drop subjects because of sickness or conditions beyond the student's control. The grade in that case may be "W." The signatures of all instructors are required.

Upon proper documentation of special circumstances, decisions for approval of late complete withdrawals may be made by the appropriate official or committee in the student's enrollment unit, who will notify the instructors involved. Late complete withdrawals are those requested after the deadline to withdraw has passed.

The effective withdrawal date is the date on which the student withdraws via the web or touch-tone registration or when the Registrar's Office receives the appropriately signed drop form. This date is used in calculating any refund or tuition reduction due.

## **Concurrent Registration in Another Institution**

If a student in the College of Education and Human Development is also registered for courses in another school of the University or elsewhere, the combined program must not exceed 17 hours. Students who carry such additional work outside of this school must secure permission of the deans in both schools and must report the fact and the amount so carried to the registrar during the time for registration. Violation of this regulation may lead to loss of credit for the semester.

## **Undergraduates Taking Graduate Courses**

Courses at the 600 level are ordinarily open only to graduate students. With the adviser's approval and special permission of the undergraduate dean, the graduate dean, and the instructor, seniors in their final semester may enter 600-level graduate courses. A "Permission to Enter Graduate Level Courses" form, available in the Dean's Office, must be used for this procedure. When such courses replace courses in the undergraduate curriculum, they cannot be used for subsequent graduate credit. If such course work is beyond the total requirements for the baccalaureate degree, it can be considered for subsequent graduate credit upon the student's admission to the Graduate School.

## **Dean's List and Dean's Scholars**

A student carrying in one fall, spring, or summer semester 12 or more semester hours who earns no grade lower than "B," or who has a standing of 3.5 for the semester in spite of one "C," is named to the Dean's List. A student carrying in one fall, spring, or summer semester 12 or more semester hours who earns all "A's" is named a Dean's Scholar. A student who receives an "incomplete" or a "deferred grade" is not eligible to be named to the Dean's List or as a Dean's Scholar.

A part-time student who meets either of these standards in a consecutive series of semesters may request the awarding of the honor through the College of Education and Human Development Advising Center within one semester of meeting the requirements. Hours in any one semester may not be counted more than once toward either honor. It is the part-time student's responsibility to initiate this award by contacting the Education Advising Center.

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# Academic Warning, Probation, Suspension, and Dismissal Policies

## Academic Warning Policy

1. Students whose cumulative grade point average (based on the completion of a minimum of twelve (12) degree-applicable credits at the University of Louisville) falls below 2.25 will be placed on Academic Warning for one semester.
2. Students on Academic Warning will be placed on Academic Probation if the cumulative grade point average (based on degree applicable credits) remains below 2.25 after the academic warning semester.
3. Students on Academic Warning will be placed in good standing status if the cumulative grade point average (based on degree applicable credits) is 2.25 or above after the academic warning semester.

## Academic Probation Policy

1. Students on Academic Warning will be placed on Academic Probation if the cumulative grade point average (based on degree applicable credits) remains below 2.25 after the academic warning semester.
2. Students on Academic Probation who achieve a cumulative grade point average (based on degree applicable credits) of 2.25 or above will be placed in good standing status.
3. Students on Academic Probation may enroll in no more than 14 semester hours in a semester (9 hours during the summer).
4. Students on Academic Probation must earn a 2.50 grade point average (based on degree applicable credits) in the academic probation semester to continue on Academic Probation.
5. Students on Academic Probation whose cumulative grade point average is below 2.25 (based on degree applicable credits) and who earned a semester grade point average below 2.50 will be placed on Academic Suspension and will be required to sit out at least one semester (summer terms excluded)

## Academic Suspension Policy

1. Students on Academic Probation whose cumulative grade point average (based on degree applicable credits) is still below 2.25 and who earned 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.)
2. Readmission of suspended students is not guaranteed. Students must submit an undergraduate application to the Office of Admissions, along with a petition explaining the reasons for poor performance and actions that will be taken to improve performance if readmitted. Students should contact the Admissions Office regarding semester deadlines to petition for admission. Conditions of

readmission will be up to the discretion of the College of Education Standards and Admissions Committee.

3. No student will be reinstated more than twice; the third suspension is an Academic Dismissal.

4. U of L students who are suspended by one unit are eligible to apply for admission to another unit and may be admitted if they meet minimum admission standards of that unit. Students who apply for admission to another unit may not take any courses in the unit from which they were suspended, and the courses taken during 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 must remain out of school for one full year, and should use that time for reorientation to further study in college or other career decisions. If a student thus dismissed is admitted to any other college or university, the credits earned while in attendance during the semester that the student should be out of school will not apply toward a degree granted by the College of Education and Human Development.

The College of Education and Human Development will honor the dismissal policy of all units of the University of Louisville.

## **Academic Grievance Procedure**

The College of Education and Human Development follows the procedures for academic grievances as stated in the General Information section and as published in The Redbook, Chapter 6, Article 8. Any student considering filing such a grievance should consult with the College of Education and Human Development Advising Center for advice and information.

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# Graduation and Degree Requirements

## General Requirements for Baccalaureate Degrees

The baccalaureate degrees offered by the College of Education and Human Development include minimum requirements for completion and graduation. The following requirements apply to the B.S. degree in **Workforce Leadership**:

1. 123 minimum total hours (60 of these hours must be earned at an accredited four-year institution).
2. 50 senior college hours (300 level and above).
3. 2.25 overall grade point average.
4. 2.50 grade point average in the major.
5. 30 of the last 36 hours must be taken in residence (does not apply to distance education students or active duty military personnel).
6. A grade of "C" or better is required in all professional education courses. C- is not acceptable.

NOTE: Students admitted to the career and technical education track must maintain a 2.5 overall grade point average and a 2.5 grade point average in the professional education courses to be eligible for certification.

The Department of Health and Sport Sciences offers the Bachelor of Science degree with majors in **Health and Human Performance and Sport Administration**. The minimum requirements for completion of these degrees are:

1. A minimum total of 123 hours (60 of these hours must be earned at an accredited four-year institution).
2. 50 senior college hours (300-level and above).
3. 2.25 overall grade point average.
4. 30 of the last 36 hours must be taken in residence.
5. Only one "D" in core courses or concentration courses combined may be applied toward a bachelor's degree.

The following graduation requirements apply to the B.S. degree in **Early Elementary Education**:

1. A minimum total of 125 semester hours (60 of these hours must be earned at an accredited four-year institution).
2. 50 senior college hours (300 level and above)

3. 2.75 overall grade point average
4. 3.00 grade point average in professional education and concentration courses.
5. 30 of the last 36 hours must be taken in residence.
6. Successful completion of portfolio.

The following graduation requirements apply to the B.S. degree in **Middle/Secondary Education**:

1. A minimum total of 123 semester hours (60 of these hours must be earned at an accredited four-year institution).
2. 50 senior college hours (300 level and above).
3. 2.50 grade point average in content area.
4. 3.00 grade point average in professional education courses.
5. 30 of the last 36 hours must be taken in residence.
6. Successful completion of portfolio.

## **Requirements for Minors**

The Department of Health and Sport Sciences offers programs for a minor in four areas: Community Health, Exercise Science, School Health Education, and Sport Administration. A grade point average of 2.50 is required in the coursework for the minor. Please note that only one "D" will be allowed in the minor courses.

These programs are university-wide minors. The courses are open to students admitted to units other than the College of Education and Human Development. Students interested in applying for admission to a minor should contact the Education Advising Center.

## **Application for Graduation**

Each degree candidate must complete an on-line degree application within the first two weeks of the semester in which the candidate intends to graduate. Any candidate removed from the graduation list must reapply for the degree and comply with the rules and regulations applying to all candidates for degrees. Candidates should apply for degree at [ulink.louisville.edu](http://ulink.louisville.edu). It is the responsibility of the student to submit an application for degree by the specified date.

## **Application for Teacher Certification**



Students seeking teacher certification upon completion of degree and/or program requirements, must apply through the College of Education and Human Development Advising Center to the Kentucky Professional Standards Board to receive the teaching certificate. Consult the Education Advising Center for information.

## **Graduation with Honors**

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 complete 45 hours with letter grade of the last 66 hours of work toward the degree in residence.

For a degree with the distinction of Cum Laude, a university grade-point average of 3.5 based on degree applicable credit and a departmental standing of 3.5 based on degree applicable credit, must be attained by the end of the first semester of the senior year. "Departmental standing" is defined as follows: HSS degrees – all HSS and SPAD courses; Workforce Leadership degrees - all ELFH courses. For a degree with the distinction of Magna Cum Laude, both a departmental and a university grade-point average of 3.75 must be attained by the end of the first semester of the senior year. For a degree with the distinction of Summa Cum Laude, both a departmental and a university grade point average of 3.75 must be attained by the end of the first semester of the senior year. In addition to the grade point average, a special project or paper must be completed and approved for Summa Cum Laude. The cumulative grade point average on credit earned at the University of Louisville only will be the grade point average used in all decisions regarding honors.



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 department faculty indicating an outstanding level of competence in the various phases of field experience as well as in all academic work.

## **Guidelines for Graduating with 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 31

December degree applicant:



-Prior to April 30

The "Guidelines for Graduating with the distinction of Summa Cum Laude handout is available in the

College of Education and Human Development Advising Center and on-line at the CEHD website. Each student must select a faculty sponsor for assistance and guidance in preparing the proposal and the final project/paper.

Specific guidelines for the faculty sponsor are included in the handout. 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

## **Catalog Year Policy**

Students pursuing an undergraduate degree shall meet the degree requirements in effect at the time of their first admission to any degree granting unit of the University provided they have not had a break in enrollment of two or more calendar years. If a student has a break in enrollment of two or more calendar years, that student must apply for readmission to the College of Education and Human Development and, if admitted, will be subject to catalog requirements in effect at the time of readmission. Students may elect to follow the most recent degree or program requirements established subsequent to their initial entry into a degree-granting unit. The University reserves the right to issue and require immediate compliance with new requirements as may be needed to respond to certification, licensure and accreditation issues. Individual units may have different catalog year requirements, which supersede those indicated here. Students should consult the catalog section for their specific enrollment unit.

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# Other Academic Policies

## College of Education and Human Development 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.
  - a. 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.
  - b. 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.

a. 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.

b. If the student fails to appear after proper notice, the hearing will be held in the student's absence and a final decision rendered.

c. 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. 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.

d. 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.

## **Policy on 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 Statement**

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, SES, gender, sexual identity, disability, ability, age, national origin, geographic location, 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.

### **Statement on Student Teaching/Field Experiences**

Placement in field experiences is contingent upon the applicant's prospects for success and upon the availability of a qualified supervisor. The faculty reserves the right to evaluate the qualifications and suitability of student applicants and the quality of the student's performance and to make placements and appropriate changes based on the recommendation of the university coordinator and/or the host school or other agency. Evaluation will be based on standards of conduct and performance established by the faculty. Students must abide by all policies, rules, and regulations of the University and the assigned school. Failure to abide by this policy may result in removal from the program.

### **Student Grievances**

Students who wish to pursue an academic grievance may 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. The text of the academic and non-academic student grievance procedures are contained in the "General Information" section of this catalog.

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# Department Information

The Department of Health and Sport Sciences offers programs for those undergraduate students interested in pursuing majors in Sport Administration and in Health and Human Performance. The goals of the Health and Human Performance program are twofold:

first, to prepare certified health and physical education teachers who can also assume duties as coaches and trainers, and second, to prepare students for employment in the fields of sports medicine, health promotion, and exercise and fitness leadership.

The health education program is accredited by AAHE. The goal of the Sport Administration program is to prepare persons for a career in the sport business industry. The Sport Administration students may pursue a career in sport marketing, management or other professional area in professional level sports, sport related companies, parks and recreation, athletics administration, sport governing organizations, sport or fitness clubs and facilities, or other sport business enterprise. The program is accredited by NASPENAASM.

## **Faculty**

### **Department Chair**

William T. Weinberg, Ph.D.

University of Maryland

Professor

College of Education and Human Development, CG 211

### **Professors**

Sharleen J. Birkimer, Ph.D.

Kansas State University, Emerita

Richard A. Fee, Ph.D.

University of Maryland

 Mary A. Hums, Ph.D.

The Ohio State University

Cheryl A. Kolander, H.S.D.

Indiana University

Daniel F. Mahony, Ph.D.

The Ohio State University

P. Joanne Rowe, Ph.D.

Texas Woman's University, Emerita

Ann M. Swank, Ph.D.

University of Pittsburgh

William T. Weinberg, Ph.D.

University of Maryland

Clark F. Wood, M.A.

University of Kentucky, Emeritus

**Associate Professors**

Sherrill E. Brakmeier, M.A.T.

University of Louisville, Emerita

Anita J. Moorman, M.S., J.D.



University of Oklahoma

Carol T. Stinson, Ph.D.

Iowa State University

**Assistant Professors**

Damon P. Andrew, Ph.D.

University of Florida

Kara I. Gallagher, Ph.D.

University of Pittsburgh



T. Christopher Greenwell, Ph.D.

The Ohio State University

Chong D. Lee, Ed.D.

University of Houston

Amy S. Lingo, Ph.D.

University of Kentucky

Justin B. Moore, Ph.D.

University of Texas



Jennifer L. Olive, Ph.D.

University of Georgia

Simon M. Pack, Ph.D.

The Ohio State University

**Instructors**

Patricia B. Benson, M.Ed..

University of Louisville

Kent A. Brown, M.S.

University of Louisville

Linda S. Burry, M.Ed.

University of Louisville

Scott Z. Crawford, M.S.

University of Louisville

Stephen W. Dittmore, M.A.

Drake University

Michael P. Durham, M.S.

University of Louisville

Patricia E. Keiffner, M.Ed.

Western Kentucky University

John T. Manire, M.S.

University of Louisville

Barbara A. Mercer, H.S.D.

Indiana University

Dylan J. Naeger, M.S.

University of Louisville

Stefanie O. Wooten, M.A.T

University of Louisville

## **Degree Programs**

The Department of Health and Sport Sciences offers the Bachelor of Science degree with majors in Health and Human Performance and Sport Administration. Minors are available in the areas of Community Health, Exercise Science, Sport Administration, and School Health Education. Concentrations are available in Exercise Science, Public Health Education, Physical Education.

Students interested in teacher certification in physical education must complete an undergraduate health and human performance degree in the College of Education and Human Development, and a pre-teacher education core of courses. Students then apply for the teacher certification program, which is completed during a professional year at the graduate level. Successful completion of the graduate professional year culminates in the granting of teacher certification and a Master of Arts in Teaching (MAT) degree from the College of Education and Human Development. Additional information regarding admission to the teacher education program, including application deadlines, is available from the Education Advising Center.

## **Department of Leadership, Foundations, and Human Resource Education**

This Department of Leadership, Foundations, and Human Resource Education offers an undergraduate program with two concentrations. The concentration in training and development leads

to the training and development of adults in non-school settings and the concentration in career and technical education leads to teacher certification for in-service teachers in experienced trade and industrial crafts areas.

## **Faculty**

### **Department Chair**

Joseph M. Petrosko, Ph.D.

New Mexico State University

Professor

College of Education and Human

Development, ED 333

### **Professors**

G. Keith Bayne, Ph.D.

Southern Illinois University, Emeritus

Edward H. Berman, Ed.D.

Columbia University, Emeritus

Richard K. Crosby, Ed.D.

University of Kentucky, Emeritus

Everett Egginton, Ph.D.

Syracuse University, Emeritus

Robert E. Hoye, Ph.D.



University of Wisconsin, Emeritus

Thomas S. Jeffries, Ed.D.

Indiana University, Emeritus

John L. Keedy, Ed.D.

University of Tennessee

Gordon Ruscoe, Ph.D.

University of Michigan, Emeritus

John L. Strobe, Jr., Ph.D., J.D.



University of Nebraska, Emeritus

Francis C. Thiemann, Ph.D.

University of Oregon, Emeritus

John F. Welsh, Ph.D.

Oklahoma State University

Paul A. Winter, Ph.D.

The Ohio State University



**Associate Professors**

Mike A. Boyle, Ph.D.

Texas A&M University

Namok Choi, Ph.D.

Oklahoma State University

Stephen K. Miller, Ph.D.

Michigan State University

Keith L. Raitz, Ph.D.

The Ohio State University, Emeritus

Carolyn Rude-Parkins, Ph.D.

University of Iowa

Robert R. Schulz, Ed.D.

Michigan State University, Emeritus

**Assistant Professors**

Ray K. Haynes, Ph.D.

University of Louisville

Susan G. Lasky, Ph.D.

University of Toronto

Patricia K. Leitsch, Ph.D.



Southern Illinois University

Donna H. McCabe, Ed.D.

University of South Florida, Emerita

Freda Merriweather, Ed.D.

University of Louisville

Jayne R. Morgenthal, Ed.D.

University of Louisville

Thomas G. Reio, Jr., Ph.D.



Virginia Polytechnic Institute & State University

### **Instructors**

Marisa E. Castellano, Ph.D.

University of California – Berkeley

W. Blake Haselton, Ph.D.

University of Louisville

Karen H. Miller, Ph.D.

University of Louisville



Barry K. Sanford, M.A.

Abilene Christian University

Kirsten J. Sundell, Ph.D.

University of Notre Dame

## **Degree Program**

A Bachelor of Science degree in Occupational Training and Development offers two concentrations: Career and Technical Education and Training and Development. The concentration in Career and Technical Education is for in-service teachers in experienced trade and industrial crafts areas. Students in this program may earn certification to teach their skills in Kentucky Vocational Schools through the Planned 64-Hour Program. Documented work experience or licensure is required for admission. The concentration in Training and Development is for students interested in training and development in non-school settings. Industrial, public service, military trainers, and health resource coordinators are prepared in this program.

Experienced trade and industrial crafts persons may earn occupational certification to teach their skills in Kentucky Vocational Schools through the Planned 64-Hour program. Secondary occupational teaching certification can be earned through the bachelor's degree program. Documented work experience or licensure is required for admission.

## **Department of Teaching and Learning**

The Department of Teaching and Learning offers undergraduate degrees which lead to Kentucky Teacher certification. The Bachelor of Science in Early Elementary Education leads to Kentucky certification in grades primary through grade 5, and students choose an additional area of concentration from the following: Learning and Behavior Disorders, Moderate and Severe Disabilities, Early Childhood Education, English, Mathematics, Science, Social Studies, Spanish, French, or English as a Second Language. Students who have completed an Associate of Applied Science Degree in Early Childhood Education from a Kentucky community college may choose to apply to the Bachelor of Science in Early Elementary Education with a concentration in Interdisciplinary Early Childhood Education, which leads to certification in Birth to Age 5 only.

The Bachelor of Science in Middle and Secondary Education leads to Kentucky certification in grades 5-9 or grades 8-12, and students choose a content area. For further information, please contact the Education Advising Center at 502-852-5597 or [edadvise@louisville.edu](mailto:edadvise@louisville.edu), College of Education and Human Development.

## **Faculty**

### **Department Chair**

Karen Karp, Ed.D.  
Hofstra University  
Professor

## **Professors**



William H. Banks, Jr., Ph.D.  
The Ohio State University, Emeritus

Edward P. Berla, Ph.D.  
University of Cincinnati, Emeritus

Jewell Brownstein, Ed.D.  
Indiana University, Emerita

William Bush, Ed.D.  
University of Georgia

Hilda R. Caton, Ed.D.  
University of Kentucky, Emerita

Jean Anne Clyde, Ed.D.  
Indiana University

Mark W. F. Condon, Ph.D.  
University of Missouri, Emeritus

Allan E. Dittmer, Ph.D.  
Wayne State University, Emeritus



Denzil Edge, Ph. D.  
The Ohio State University, Emeritus

Marjorie M. Kaiser, Ed.D.  
Virginia Polytechnic Institute, Emerita

Karen Karp, Ed.D.  
Hofstra University

Diane W. Kyle, Ed.D.  
University of Virginia

Ann Larson, Ph.D.  
University of Illinois-Urbana

Karen K. Lind, Ed.D.  
University of Louisville, Emerita

Joseph H. McMillan, Ed.D.  
Michigan State University, Emeritus

Victoria Molfese, Ph.D.  
Pennsylvania State University



Jack C. Morgan, Ph.D.  
Purdue University, Emeritus

Anne O. Netick, Ph.D.  
University of Texas at Austin, Emerita

V. Daniel Ochs, Ed.D.  
University of Virginia, Emeritus

John H. Pollock, Ed.D.  
University of Kentucky, Emeritus

F. Randall Powers, Ed.D.  
Harvard University, Emeritus

Robert N. Ronau, Ph.D.  
Kent State University

Gina D. Schack, Ph.D.  
University of Connecticut

Terry Scott, Ph.D.  
University of Oregon

Bernard J. Strenecky, Ed.D.  
University of Rochester, Emeritus

Charles S. Thompson, Ph.D.  
The Ohio State University

Randall L. Wells, Ph.D.  
The Ohio State University, Emeritus

**Associate Professors**

Jennifer Bay-Williams, Ph.D.  
University of Missouri, Columbia

Sherri L. Brown, Ph.D.  
University of Tennessee

Debra Bauder, Ph.D.  
University of Kentucky

James Neal Blake, Ph.D.  
University of Southern Mississippi, Emeritus

Nettye Brazil, Ph.D.  
University of Minnesota, Emerita

John E. Garrett, Ph.D.  
Syracuse University, Emeritus

Muhammad Hanif, Ph.D.  
Indiana University, Emeritus

Marvin C. Holmes, Ed.D.  
University of Kentucky



Louise B. Lyons, Ed.D.  
University of Kentucky, Emerita

Sheri B. Moore, Ed.D.  
University of Louisville

Thomas J. Simmons, Ph.D.  
Kent State University  
Assistant Professors

Peter Alter, Ph.D.  
University of Florida

E. Todd Brown, Ed.D.  
University of Louisville  
Vanderbilt University

Monica Delano, Ph.D  
University of Virginia

Nicole Fenty, Ph.D.  
University of Florida



Sophia Han, Ph.D.  
University of Florida

Pennie Howell, Ph.D.  
Columbia University

Eunjoo Jung, Ph.D.  
Illinois State University

Sara B. Kajder, Ph.D.  
University of Virginia

Amy Lingo, Ed.D.  
University of Kentucky

Maggie McGatha, Ed.D.  
Vanderbilt University

Martha McKnight, M.Ed.  
University of Louisville, Emerita

William Penrod, Ed.D.  
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Teddie Phillipson-Mower, Ed.D.  
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Kathleen Rudasill, Ph.D.  
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Patricia Walker, Ph.D.  
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**Instructors**

Trisha Bronger, M.Ed.  
University of Louisville

Peggy Brooks, M.Ed.  
Morehead State University

Rachel Connelly, BS  
Denison University

Betty Doyle, M.Ed.  
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Lohelen Hambrick, M.Ed.  
Western Kentucky University

Sharon Kerrick, M.Ed.  
University of Louisville

Jon Lee, M.Ed.  
University of North Carolina

Debra Starr Lewis, M.Ed.  
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Marcia Lile, M.A.  
Northern Michigan University

Danna Morrison, M.Ed.  
University of Louisville

Brenda Overturf, Ed.D.  
University of Louisville

Christine Sherretz, Ed.D.  
Georgia Southern University

Natalie Stiglitz, M.A.  
University of Kentucky

Mary Shelley Thomas, Ed.D.  
Columbia University

Jean Wolph, M.Ed.  
University of Louisville

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# Degree and Teacher Certification

For specific information regarding the following programs, including application deadlines and admission requirements, contact the Education Advising Center (502/852-5597). Information is also available at this website: [www.louisville.edu/education](http://www.louisville.edu/education)

**Art Education (grades P-12) - Teacher certification in Art Education for grades P through 12 is available through a Master of Arts in Teaching (MAT) degree program at the graduate level.**

**Business and Marketing Education (grades 5-12) - Teacher certification is available at the undergraduate level through a B.S. degree. In addition, teacher certification may be obtained through a MAT degree program at the graduate level.**

**Early Childhood Education (Birth through Age 5) - Teacher certification is available at the undergraduate level through a B.S. degree or through a MAT degree program at the graduate level.**

**Early Elementary Education (grades P-5) – Teacher certification is available at the undergraduate level through a B.S. degree. In addition, teacher certification may be obtained through a MAT degree program at the graduate level.**

**Foreign Language Education in French or Spanish (grades P-12) - Teacher certification is available at the undergraduate level through a B.S. degree. In addition, teacher certification may be obtained through a MAT degree program at the graduate level.**

**Learning and Behavior Disorders (grades P-12) - Teacher certification in Learning and Behavior Disorders is available through the B.S. Elementary program as well as a graduate-level Stand Alone program for students who are employed on a temporary provisional teaching certificate in an area of Learning and Behavior Disorders.**

**Middle School Education (grades 5-9) – Teacher certification is available at the undergraduate level through a B.S. degree in the following content areas: English, Mathematics, Science and Social Studies. In addition, teacher certification may be obtained at the graduate level for through a MAT degree program. An alternative certification program for students who are employed on a temporary provisional teaching certificate is also available.**

**Moderate and Severe Disabilities (grades P-12) - Teacher certification in Moderate and Severe Disabilities is available through the B.S. Elementary program as well as a graduate-level Stand Alone program for students who are employed on a temporary provisional teaching certificate in an area of Moderate and Severe Disabilities.**

**Music Education (grades P-12) - Teacher certification in Music Education is available at the undergraduate and graduate levels. For information about certification in music education, contact the School of Music.**

**Physical Education (grades P-12) – Teacher certification is available at the undergraduate level through a B.S. degree. In addition, teacher certification may be obtained at the graduate level for through a MAT degree program.**

**Secondary Education (grades 8-12) – Teacher certification is available at the undergraduate level through a B.S. degree in the following content areas: Biology, Business and Marketing, Earth and Space Science, English, Mathematics, Physics, and Social Studies. In addition, teacher certification**

may be obtained at the graduate level for through a MAT degree program. An alternative certification program for students who are employed on a temporary provisional teaching certificate is also available.

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# School of Music

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# Admissions Policies

## Admission Policies of the School of Music

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, including the \$25 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) and,
5. two letters of recommendation.
6. Students admitted on probation/condition must be in good standing after two semesters, 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).

## Prerequisite Training in Applied Music

### Piano

To enter the four-year degree program in piano, the student should be able to play all major and minor scales correctly in moderately rapid tempo, and arpeggios in octave position in all keys; should have acquired systematic methods of practice; and should also be able to read compositions of moderate difficulty at sight. The student should have studied such compositions as Bach Inventions, classical sonatas, and selections by composers such as Schubert, Schumann, Mendelssohn, Chopin, Debussy, Bartok, and Kabalevsky.

### 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.



### Voice

To enter the four-year degree program in voice, the student should be able to sing on pitch, with correct phrasing and musical intelligence. Standard songs in English (the simpler classics) are recommended. The student should also demonstrate an ability to read a simple song at sight and have a knowledge of the rudiments of music. Some knowledge of piano is recommended.

### **Violin**

To enter the four-year degree program in violin, the student should be able to perform violin etudes of the difficulty of the Kreutzer Etudes Nos. 1 to 32 and works comparable in difficulty with the Viotti Concerto No. 23, the de Beriot Concertos Nos. 7 and 9, and the Tartini G-Minor Sonata. Some knowledge of piano is recommended.

### **Guitar**

Encouraged literature prior to admission includes studies and exercises by Giuliani, Sor, Aguado, Brouwer, Carcassi, and Carulli. Also recommended are Segovia's Diatonic Major and Minor Scales. A fundamental knowledge of sightreading is expected. Some knowledge of piano is recommended.

### **Orchestral Instruments**

The student should have acquired a proficiency on the instrument comparable to that required for violin. Some knowledge of piano is recommended.

### **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.

### **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 reaudition 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 reenroll. They need to complete a reenrollment 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.

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.

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# **Academic Advising and Registration**

## **Academic Advising**

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 required courses for admission to Senior College.

Students are also assigned a faculty mentor who provides individualized assessment of the student's satisfaction with their course of study and progress toward completion of a degree, and gives assistance with planning for graduate work and/or career choices. The faculty mentor is chosen according to the student's performance instrument and the degree program recommended at the time of the audition.

## **Registration Procedures**

Advising is required for all School of Music students through the sophomore year. Students will be blocked from registering for classes until the advising requirement has been satisfied. Early registration advising periods are published in the Schedule of Courses.

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# Academic Policies

## Academic Policies of the School of Music

### Academic Bankruptcy

University of Louisville students who have been out of higher education for at least two years and then return to achieve a 2.50 grade point average or higher in the first 12 degree-applicable credit hours are eligible to apply for Academic Bankruptcy. All degree applicable courses taken during the term in which the 12-hour minimum is attained will be considered in determining eligibility for bankruptcy. Under this policy, students (if accepted) could remove one or more consecutive semesters of college work from their grade point average and semester hours completed calculation. University of Louisville students are advised that while bankrupted course grades are removed from the calculation, the course work does remain a part of their permanent record and that the bankrupted work may be considered for financial aid purposes, NCAA purposes, and may be evaluated if applying for honors or graduate/professional study.



Additionally, students must be aware that Academic Bankruptcy is an internal policy and the University of Louisville cannot guarantee how the work will be viewed by another university should the student choose to transfer. Students wishing to examine this option are advised to see an advisor in their enrollment unit for details of the process. Bankrupt semesters will not apply toward enrollment semesters when determining catalog year. Bankruptcy may be declared only once.

### Academic Grievance Procedures

The School of Music follows the procedures for academic grievance in accordance with The Redbook, Chapter 6, Section 6.8.3. Any student considering filing such a grievance may consult with the Student Academic Grievance Officer for further information or review the procedure outlined in the general information section of this catalog.

### Academic Standards Policy

The University of Louisville communicates its expectations for undergraduate academic achievement through the Undergraduate Academic Standards Policy. Academic standards are determined by the faculties of the enrollment/degree-granting units. Standards for continuation in a particular enrollment unit can be based upon grade point average, course specific achievement, and in some programs a professional/ behavioral component. Students are encouraged to consult their enrollment unit and the catalog for the specific standards of their unit.



### Academic Warning, Probation, Suspension and Dismissal Policies

Good standing is defined as a cumulative grade point average not less than the minimum GPA set by the degree-granting unit. School of Music students are in good standing when they have a minimum cumulative grade point average of 2.5.

1. UofL undergraduate students who, after the first 12 degree-applicable semester hours taken at U of L, have a grade point average below 2.5 will be placed on Academic Warning. They will be notified that their achievement is below expectations and strongly encouraged to seek assistance, but no limitation will be placed on their registration for the next term.

2. In any semester subsequent to that described in (1. above), an undergraduate student whose cumulative grade point average falls below 2.5 will be placed on Academic Probation for the next semester in which the student enrolls. Undergraduate students on Academic Probation are notified that their achievement is below expectations and are subject to course and/or credit hour limitations, specified course registration requirements, or other intrusive advising interventions as deemed appropriate by their enrollment unit.

3. Undergraduate students on Academic Probation will have their records evaluated at the end of the probationary semester with one of the following outcomes:

a. a student will be restored to good standing in the degree granting unit.

b. a student whose cumulative grade point average is still below 2.5 but who earned a semester grade point average at or above 2.5 will be maintained on probation.

c. a student whose cumulative grade point average is below 2.5, and who earned a semester grade point average 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 appropriate individual or committee in the student's enrollment unit.

d. a student whose cumulative grade point average is still below 2.5 and who earned 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).

e. UofL students who are suspended or dismissed by one unit are eligible to apply for admission to another unit and may be admitted if they meet minimum admission standards of that unit. Students who apply for admission to another unit may not enroll in any courses in the unit from which they were dismissed.

4. Readmission of suspended students is not guaranteed. In order to be considered for readmission, a student must submit a written petition to the appropriate individual or committee in the enrollment unit and an "Application for Undergraduate Admission form to the Office of Admissions. The petition must be received by the enrollment unit at least one month prior to the first day of classes for the semester in which the student seeks readmission. The petition should address the student's perception of the causes of poor performance; the steps the student has taken to address those causes; and a plan of action to return to good standing. Students who are granted reinstatement will be readmitted on probation.

5. No student will be reinstated more than twice; the third suspension is an Academic Dismissal. A student academically dismissed can only return through special permission from the enrollment unit.

## **Catalog Year**

Students pursuing an undergraduate degree shall meet the degree requirements in effect at the time of their first admission to any degree granting unit of the University provided they have not had a break

in enrollment of two or more calendar years. 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 may elect to follow the most recent degree or program requirements established subsequent to their initial entry into a degree granting unit. The University reserves the right to issue and require immediate compliance with new requirements as may be needed to respond to certification, licensure and accreditation issues. Individual units may have different catalog year requirements which supersede those indicated here. Students should consult the catalog section for their specific enrollment unit.

### **Course Loads**

Without special permission, students will not be permitted to register for more than two hours in excess of the prescribed requirements in their course for any semester. No excess is allowed during the first semester of residence.

A student who has a grade point average of 3.0 may be permitted to take hours in excess of the prescribed requirement, with the consent of the adviser and the Dean.

A student may receive credit only for courses for which he/she has officially registered, and only for the number of hours specified for such courses in the catalog.

### **Dean's List**

A student who completes in one semester twelve or more graded credits with the grades of "A", "B", or "C" and a 3.5 semester grade-point average, with no grades of "I", "X", or "U" is named to the Dean's List. The grade "P" has no effect on the determination for the Dean's List. A student who meets these standards in one semester will be awarded the appropriate honor through ordinary clerical procedures in the Office of the Dean.

### **Enrollment Standards**

Enrollment units may establish grade point average standards that exceed the minimum grade point average requirements of the University. School of Music students are in good standing when they have a minimum cumulative grade point average of 2.5. Should an undergraduate student fail to meet the requirements of their enrollment units, they may be subject to enrollment restrictions, course repetition requirements, other corrective interventions, and ultimately, dismissal from their enrollment unit. A student who is dismissed from their enrollment unit may seek immediate transfer to an enrollment unit for which their cumulative grade point average is acceptable.

### **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, based upon all undergraduate course work taken at the University of Louisville. Courses numbered below the 100-level (000-099) taken in the 1998 Fall semester or after will not be used in the earned hours or University Grade Point Average calculation. Program Grade Point Average ceases to exist as an official measure.

## **Grading System and Quality Points**

At the end of each semester, instructors report the grades of each student to the Registrar for permanent record. Grades and their corresponding quality points are listed below.

### **Quality Grade Points**

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 (Failure) 0

S (Satisfactory) 0

U (Unsatisfactory) 0

I (Incomplete) 0

W (Withdrawn) 0

"I" automatically becomes "F" unless removed by the end of the next semester (or after six weeks for applied study). No work below a "C" (not "C-") will apply toward a major subject. The grades of "S" and "U" may be received in applied music and class piano. When such a grade is received in a course, no hours, credit, or quality points are received, and the course must be repeated.

## **Grade Status Change**

Audit status is offered only on a space available basis. For that reason, students may not register for a class in an audit status during early registration, nor may a student change from a graded status to an audit status during that period. Students may register for classes in audit status during regular registration (after early registration financial cancellations) and then only with written approval of the instructor of the course. Students are allowed to change from audit to graded status or from graded status to audit status at any time from the beginning of regular registration through the last day to add a class so long as they have approval from the course instructor.

Students are advised that such approval is the instructor's prerogative and that audit status may have implications for financial aid eligibility. Any change of status must be submitted on the form provided in the Schedule of Courses. Forms must be turned in to the Registrar's Office by the required date.

A course taken for audit may be repeated for credit.

## **Pass-Fail Courses**

Any School of Music student who has been admitted to Senior College and who is in good standing may take one elective course each semester outside the major field on a pass-fail basis. Forms may be obtained in the Dean's Office. Any course which is taken to fulfill the University's General Education requirements or any "MUS" course to fulfill a degree requirement may not be taken on a pass-fail basis.

## **Repetition of Courses**

Students may repeat to replace a maximum of four (4) courses with grades of "F," "D," or "C." For these four courses, only the last grade attained will be used in the grade point average calculation. Courses in which a grade of "D" or "C" was originally attained may be repeated only once under the repeat-to-replace option. Students are not required to repeat an "F" grade unless the course is specifically required for graduation.

Students should be aware that all grades are displayed on the official transcript even after the repeat. All Schools and Colleges within the University will honor any previously granted repeats from other Schools and Colleges within the University. A repeat form must be filed to activate this option. For a course retaken for which this option is not requested, both grades will be used in the GPA calculation, but students cannot receive double credit in hours required for the degree.

## **Withdrawal Procedures and Policies**

Upon proper documentation of special circumstances, decisions for approval of late complete withdrawals may be made by the appropriate official or committee in the student's enrollment unit, who will notify the instructors involved. Late complete withdrawals are those requested after the deadline to withdraw has passed and before the instructor has assigned a grade. After a grade has been assigned, the instructional unit has the authority to change the grade to a withdrawal.

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# **General Requirements for Baccalaureate Degrees**

## **Minimum Hours and Point Standing**

To be recommended for a degree, the student must have completed the prescribed number of hours in the courses taken and must have a 2.5 grade point average.

## **Residency**

For bachelors' degrees, thirty (30) of the last thirty-six (36) semester credit hours must be completed at the University of Louisville. Within the University, Schools and Colleges may set minimum credit hour requirements to be completed after formal acceptance in the School, College or Department.

## **Application for Graduation**

Candidates must apply for graduation at the beginning of the semester in which they expect to complete all degree requirements. Application for Degree forms may be obtained in the Dean's Office. Completed forms must be submitted to the Dean's Office by the date published for each semester in the Schedule of Courses. The Dean's Office will conduct a degree audit following receipt of the form; however, students are strongly urged to request a preliminary degree audit prior to their final semester so that any deficiencies in degree requirements can be identified early.

## **Graduation with College Honors**

Degree candidates may receive their degree with honors, high honors, or highest honors assuming they have met the following minimum grade point average upon completion of their final semester. Degree with Honors 3.5 Degree with High Honors 3.75 Degree with Highest Honors 3.9.

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# General Regulations

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.

## 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.

## Applied Music Lesson Credit

All full-time students pursuing a professional degree in music 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.

Students enrolled in the B.A. degree program will receive at least a half hour lesson per week in applied music. 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, students desire to change applied music teachers, they shall address their request in writing to the division head. The action taken must depend upon the circumstances in each instance.

## Applied Music Jury Examinations

Students requesting credit for applied music study shall be examined by a committee of the faculty at the end of each grading period. Literature presented for examination may not be repeated in whole or in part at a subsequent examination. For the sophomore evaluation applied examination (students registered for MUS 202, 204, 206, 212, 214), each student must perform eleven minutes of music consisting of a minimum of three pieces of varying styles. If the length of the selected works will not allow three pieces to be heard within the allotted time, the student should consult with the applied teacher to select appropriate cuts or stopping points. If a composition has an accompaniment, it must be performed with accompaniment. At least one of the pieces on the jury must be with accompaniment (with the exception of keyboard instruments, guitar, and harp). Faculty may grade their own students on all applied exams, including the sophomore evaluation applied examination.

For all applied exams, including the sophomore evaluation applied examination and graded recitals, the applied instructor shall have the right to raise or lower the jury or recital grade by one letter for the final grade; in cases where the student has failed to fulfill syllabus requirements, such as attendance, the instructor may lower the jury grade by more than one letter for the final grade.

### **Applied Music Grade Requirements**

A student pursuing a degree in music who does not receive a grade of "C-" or above on their instrument or voice at the end of any semester must repeat that level. If a grade of "C-" 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.

### **Attendance at Area Meetings**

Attendance is required at all Area Meetings for students in the area. These are usually not weekly events, but held a few announced times during the semester. Non-area meeting weeks are reserved for studio master classes during that time.

### **Attendance at Classes and Lessons**

Students are expected to attend all classes and lessons. Attendance requirements will be stated in the syllabus. Private lessons missed for any cause other than illness may not be made up. Lessons missed because of illness may be made up provided the instructor is given due notice. Each instructor keeps a record of attendance for all his/her classes. Excessive absences should be reported to the Office of the Dean.

### **Attendance at Recitals and Convocations**

Recital attendance credit will only be given for designated recitals and concerts held at the School of Music, for events held during the 3:00 p.m. Thursday Convocation hour, and for a maximum of two professional off campus concerts. No recital attendance credit will be given for events scheduled during Area Meeting times. (Thursdays at 3:00 p.m. are reserved for General Convocations. The 3:00 p.m. hour on Mondays, Tuesdays and Wednesdays is reserved for Area Meetings or Studio Classes as determined by the student's department.) Students will receive either an "S" (Satisfactory), "U" (Unsatisfactory) or "I" (Incomplete) for the course. In order to receive an "S," students must receive at least fifteen (15) recital attendance credits per semester. A maximum of three (3) of these may be performances in which the students themselves participate. If a student is lacking from one to four recitals of the number required for a satisfactory grade within a semester, the student will receive an "I," and the missing recitals may be made up by attending extra recitals the next semester (beyond that semester's required fifteen recitals) according to the following plan:

- attend 3 extra recitals to make up 1 missed recital
- attend 4 extra recitals to make up 2 missed recitals
- attend 6 extra recitals to make up 3 missed recitals

– attend 8 extra recitals to make up 4 missed recitals

If a student fails to attend the designated number of extra recitals within the next semester, the “I” grade will be changed to “U,” and the student must repeat the entire semester of Recital Attendance. If a student is lacking five or more recitals of the number required within a semester, the student will receive a “U” and must repeat the entire semester of Recital Attendance. No petitions will be considered. Designated recitals and concerts include the following:

– Faculty recitals

– Senior or Master’s recitals

– School of Music concerts given by the school’s major ensembles (Symphony Orchestra, Symphonic Band, Early Music Ensemble, Opera Theater, Collegiate Chorale, Pep Band, New Music Ensemble, Marching Band, Jazz or Jazz Repertory Ensemble, Concert Band, Wind Symphony, Wind Ensemble, University Chorus)

– A maximum of four concerts given by the school’s minor ensembles (Piano/String/Woodwind/Brass/Chamber Ensembles, Jazz Combo, Vocal Jazz Ensemble, Clarinet/Flute/Guitar/Harp/Horn/Irish Music/Percussion/Sackbutt/Saxophone/TECHLA/Trombone/Trumpet/Tuba-Euphonium Ensembles, Community Band, Opera Workshop)

– Student composer concerts

– One musicale per semester sponsored by Delta Omicron

– One musicale per semester sponsored by Phi Mu Alpha In addition, the following events held in the School of Music Building are acceptable:

– Guest artist recitals

– New Music Festival

– Louisville Orchestra concerts

– Chamber Music Society of Louisville

– Hattie Bishop Speed Endowed Concert Series

– Louisville Bach Society

– Kentucky Center Chamber Players

– Ceruti Chamber Players

– Ars Vocalis

Students wishing to count off-campus concerts must submit a ticket stub and program from the concert, and a one to two page concert review within one week of the event. This material should be submitted to the Associate Dean.

Six semesters of convocation and recital attendance with a grade of “S” will be required to complete the recital attendance requirements for any bachelor’s degree. The rules and regulations concerning

recital and convocation attendance will apply to all full-time undergraduate students. Part-time students will be required to attend fifteen (15) convocations or recitals for each fifteen hours of credit earned. Students are encouraged to attend concerts over and above the fifteen required events, both on and off campus.

### **Convocation Performance**

All applied undergraduate majors and principals are required to perform on one general convocation or area convocation per semester after classification. Applied majors are required to have a minimum of six general convocation performances during the course of their undergraduate degree. Applied principals are required to have a minimum of three general convocation performances during the course of their undergraduate degree. Music Therapy majors are exempt from the minimums set for applied majors and principals. If enrolled at the principal or major applied study number, these students must perform on one general or area convocation per semester of applied enrollment after classification. Students may use a solo recital, solo performance with a major ensemble, a major opera role, or any on-campus performance sanctioned by the applied instructor to satisfy the convocation performance requirement. It is the faculty member's responsibility to be sure that the students have completed their convocation requirement before they assign a final grade for a student. Convocation and area performance dates must be recorded on the student's repertory record for each semester. Ensemble and non-required performances should not take place on convocations during the last two full weeks of class.

### **Electives**

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.

### **Enrollment**

In order to take music courses, students must be enrolled in the School of Music or have permission of the instructor.

### **Final Exam Policy**

It is a School of Music policy that no student may be required to take more than two final examinations, including juries in the major applied area, within a 24-hour period. Students facing such conflicts should inform one or more of their instructors of the situation as early in the semester as possible. Students have a right to expect that their instructors will accommodate them by scheduling a makeup examination in one of the courses. In the event of difficulty in making such arrangements, students should consult the Associate Dean of the School of Music.

## **Independent Study**

Students may, with permission of the Division Head and the Dean, register for Independent Study in a particular area. The student must have a grade point average of 3.0 and at least sophomore standing. Independent Study consists of a project conducted under the direction of a faculty member. Independent Study should not duplicate courses that are regularly offered. Students obtain forms for Independent Study from the School of Music Academic Counselor, to whom the completed forms with required signatures and a course syllabus must be returned at the time of registration or no later than the Friday before classes begin. Credits earned through Independent Study are counted in the regular load.

## **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 shall notify each student whose work is below the grade of "C" and shall report his/her name to the Dean.

## **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:

- Strings: Symphony Orchestra
- Woodwind, brass or percussion: Symphonic Band, Concert Band, Wind Ensemble, Wind Symphony, Marching Band \*
- Voice: Collegiate Chorale, University Chorus \*
- Keyboard/Guitar: Any of the above dependent upon qualifications and/or interests. \*

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.

\* 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.

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 admission to Senior College, 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. 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.

## **Major Ensembles**

The following ensembles are designated as major ensembles with students eligible for one (1) hour of credit for participation. They are open to all qualified students of the University after consultation with the director.

- Black Diamond Choir
- Collegiate Chorale
- Concert Band
- Jazz Ensemble
- Jazz Repertory Ensemble
- New Music Ensemble
- Early Music Ensemble
- Marching Band (Fall only)
- Opera Theatre

- Pep Band (Spring only)
- Symphony Orchestra
- Symphonic Band
- University Chorus
- Wind Ensemble
- Wind Symphony

### **Minor Ensembles**

The following ensembles are designated as minor ensembles providing students with one-half (0.5) hour of credit for participation. These are open to all qualified students of the University after consultation with the director.

### **Chamber Ensembles:**

Students register for chamber ensemble under the section number assigned to the faculty member coaching the group.

- Brass
- Brass Chamber Music
- Clarinet
- Flute
- Harp
- Historical Instruments
- Piano
- String
- Woodwinds

Conducted ensembles:

Standing organizations are listed below:

- 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
- Vocal Jazz Ensemble

Cardinal Singers is an ensemble open to all qualified students of the University after consultation with the director yielding one-half (0.5) hour of credit.

### **Public Performance**

Students are encouraged to be active in public performance and should consult their applied teacher in preparing for their performances.

### **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. Before a student schedules a recital, the student must obtain a syllabus from the applied teacher. The syllabus will outline the following steps:

### **Guidelines for Degree Recitals**

1. A completed Recital Reservation Form, along with payment of recital fees, must be submitted to the Facilities Coordinator, within two weeks of the time a recital date is tentatively reserved, or the date will be released. This form must include:
  - a. the applied teacher's signature.
  - b. the names and signatures of all performers.
  - c. the names and signatures of the recital committee.

d. the specific repertoire.

(1) Performance and pedagogy degree recitals are expected to show the performer's musical maturity and versatility. A degree recital program must be approved by the student's applied instructor. Minimum recital lengths will be determined by the appropriate area faculty and indicated on all applied syllabi.

(2) For composition degree recitals, all works must be by the student presenting the recital. Performance time must be a minimum of 50 minutes.

(3) Practicums by Master of Music candidates in conducting must be a minimum of 30 minutes. In some cases, it may be necessary to consider a conducting practicum a cumulative effort including performances from more than one concert, with a minimum of 30 minutes of music.

2. The recital committee shall consist of a minimum of three faculty members:

(1) The student's applied teacher.

(2) An additional faculty member from the student's applied area.

(3) A faculty member from a different department.

For graduate recitals, the committee must include at least one member of the Graduate Faculty. The committee will hear the recital and grade it.

### 3. Recital Approval Process

a. For performance and pedagogy degree recitals, a recital hearing will be required at least four weeks in advance of the recital date, to be heard by the applied teacher plus two other faculty members. The student, in consultation with the applied teacher, is responsible for arranging the hearing. The student must bring a Recital Hearing Form and a listing of the recital program to the hearing. After the hearing, the applied teacher will immediately submit the completed form to the Academic Counselor to confirm the recital date.

b. For composition degree recitals, the student must show all scores and parts to the private teacher and one other composition faculty member who will verify that all necessary materials are complete and of an acceptable quality for rehearsal and performance. This review committee must sign the Composition Recital Approval Form, which must include the names of all performers, at least four weeks in advance of the recital date. The student is responsible for obtaining the necessary signatures by the designated date, and the private teacher is responsible for submitting the form to the Academic Counselor to confirm the recital date.

c. For conducting practicums, the hearing shall consist of attendance at rehearsal(s) of the ensemble(s) preparing the practicum by the applied teacher plus two other faculty members between one and three weeks in advance of the recital date. The student, in consultation with the applied teacher, is responsible for disseminating a rehearsal schedule to members of the hearing committee. The student must bring a Recital Hearing Form and a listing of the recital program to the rehearsal(s). After the hearing, the applied teacher will immediately submit the completed form to the Academic Counselor to confirm the recital date.

4. All students presenting degree recitals are required to write program notes, except students presenting junior recitals. Piano Pedagogy students using the lecture recital option may substitute an appropriate hand-out. For vocal works, the program must also include the original texts and English translations. Program notes must be reviewed at least five weeks before the recital date by the applied teacher and one other faculty member. The program notes must receive approval by both reviewers (on

the Program Information Sheet) before being submitted for printing.

5. At least three weeks in advance of the recital date, the student must submit a completed Program Information Sheet, with the appropriate signatures, along with a complete recital program and approved program notes (including texts and translations for vocal works), to the Publications and Media Relations Office for printing. The student must submit the recital program and program notes electronically, in the format specified by the Publications and Media Relations office, along with a typed hard copy.

6. The student must be enrolled in applied lessons (or conducting seminar for conducting practicums) during the semester in which the recital is presented.

7. The student is guaranteed at least three hours of rehearsal in the appropriate recital hall.

### **Guidelines for Non-degree Recitals**

1. A non-degree recital may be a full recital (performance time must be a minimum of 50 minutes) or a shared recital (each participant's performance time must be a minimum of 25 minutes).

2. If the recital is intended to take the place of a jury examination, the recital shall be graded by a committee of three faculty members from the student's applied area.

3. A completed Recital Reservation Form, along with payment of recital fees, must be submitted to the Facilities Coordinator within two weeks of the time a recital date is tentatively reserved, or the date will be released. This form must include:

a. The applied teacher's signature.

b. The names and signatures of all performers.

c. The names and signatures of the recital committee, if one is required.

d. The specific repertoire.

4. At least three weeks in advance of the recital, the student must:

a. Submit a Recital Approval Form, signed by the applied teacher, to the Academic Counselor to confirm the recital date.

b. Submit a completed Program Information Sheet with the applied teacher's signature, along with a complete recital program, to the Publications and Media Relations Office for printing. The student must submit the recital program electronically in the format specified by the Publications and Media Relations Office, along with a typed hard copy.

5. If the student wishes to include program notes (not required for non-degree recitals), they must also be submitted electronically, along with a typed hard copy at least three weeks in advance of the recital. All program notes must be approved by the applied teacher.

6. The student must be enrolled in applied lessons during the semester in which the recital is presented.

7. The student is guaranteed at least three hours of rehearsal in the appropriate recital hall.

### **Additional Guidelines For All Recitals**

1. A required or non-required recital of a minimum of 30 minutes of music may take the place of the jury at the end of the semester in which the recital is given, but with the following restrictions:

a. a student must appear for a minimum of one jury per year.

b. a recital may not replace the Sophomore Examination.

c. a substitution cannot be made if there is an application for advanced standing.

2. The above stipulations do not apply to those students whose teachers desire that they perform in programs not announced or open to the general public.

3. There is a fee for all recitals to help cover the cost of programs and recording. Students must refer to the Recital Guidelines Packets available in the Dean's Office.

### **Teaching**

Students wishing to teach should confer with their applied teacher.

Note: Teaching in the Music Building is strictly prohibited except under the auspices of the Preparatory Department or collegiate programs of the School of Music.

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# Faculty

## Professors

Robert Amchin, Ph.D.

University of Michigan

Division Head, Music Education/Music Therapy

John S. Ashworth, D.M.A.

Stanford University

Distinguished Teaching Professor

Music History

Jean M. Christensen, Ph.D.

University of California, Los Angeles

Director of Graduate Studies

Division Head, Music History

Anne Marie de Zeeuw, Ph.D.

The University of Texas at Austin

Distinguished Teaching Professor

Director of Undergraduate Studies

Theory and Composition

Christopher P. Doane, Ph.D.

The Ohio State University

Dean

Donn Everette Graham, M.A.T.

Colorado State University

Voice

Kent E. Hatteberg, D.M.A.

The University of Iowa

University Scholar

Director of Choral Activities

Herbert L. Koerselman, D.M.A.

The University of Iowa

Trumpet

John La Barbera, Diploma

Berklee College of Music

Music Industry and Jazz Studies

Naomi J. Oliphant, D.M.A.

University of Michigan

Associate Dean

Distinguished Teaching Professor

Piano

J. Patrick Rafferty, B.M.

Bowling Green State University

Violin

Steven Rouse, D.M.A.

University of Michigan

Division Head, Theory and Composition

Marc T. Satterwhite, D.M.

Indiana University

Theory and Composition

Frederick Speck, D.M.A.

University of Maryland

Division Head, Ensembles & Conducting

Director of Bands; Composition

Edith Davis Tidwell, M.M.

University of Louisville

Distinguished Teaching Professor

Voice

Michael Tracy, M.A.

University of Louisville

Division Head, Jazz Studies

Saxophone

Michael H. Tunnell, D.M.A.

University of Southern Mississippi

Distinguished Teaching Professor

Trumpet

Barbara L. Wheeler, Ph.D.

Fordham University

University Scholar

Director of Music Therapy

### **Associate Professors**

Gregory P. Byrne, D.M.A.

University of Alabama

Director of Marching Band; Percussion

D. Bruce Heim, M.M.

University of Tulsa

University Scholar

French Horn

John R. Jones, Jr., M.M.

University of Illinois

Division Head, Applied Music Studies

Tuba and Euphonium

Kimcherie Lloyd, M.M.

Louisiana State University

Director, Orchestral Studies and Opera

Seow-Chin Ong, Ph.D.

University of California at Berkeley

Music History



Brett A. Shuster, D.M.A.

Arizona State University

Trombone

Dallas W. Tidwell, M.M.

University of Louisville

Clarinet

Gerald H. Tolson, M.M.E.

University of North Texas

Music Education and Jazz



Paul A. York, M.A.

University of California, Santa Barbara

Cello

### **Assistant Professors**

Anslyn Banks, M.M.

Indiana University

Trumpet

Shannon Bowles, M.M.E.

University of Kansas

Music Therapy



Julia W. Shinnick, Ph.D.

The University of Texas at Austin

## Music History

Krista B. Wallace-Boaz, D.M.

Northwestern University

Class Piano

Daniel Weeks, M.M.

Florida State University

University Scholar

Voice

## **Instructors**

Vernon Cherrix, DMA

Southern Baptist Theological Seminary

Piano

## **Lecturers**

Leanna Booze, D.M.A.

University of Cincinnati College-

Conservatory of Music

Oboe

Robert Boozman, M.M.

University of Kansas City-Conservatory of Music

Organ

Jim Connerley, M.M.

Indiana University

Jazz Piano



**Paul Dell Aquila, M.M.**

**University of Louisville**

**Theory**

**R. Christopher Fitzgerald, M.M.**

**University of Louisville**

**Jazz and Theory**

**Greta Gillmeister, M.M.E.**

**University of Kansas**

**Music Therapy**



**Donald Gottlieb, B.M.E.**

**Baldwin-Wallace College**

**Flute**

**Karen K. Griffin, M.M.**

**University of Louisville**

**Class Piano**

**Kathleen Karr, M.M.**

**State University of NY at Stony Brook**

**Flute**



**Matthew Karr, M.M.**

**State University of NY at Stony Brook**

Bassoon

John W. Kays, Ph.D.

University of Kentucky

Music History

Sidney King, B.A.

Indiana University

String Bass

Brian Kushmaul, M.M.

Temple University

Percussion

Cheryle Lawrence, M.A.

University of Evansville

Music Therapy

Chien-Ju Liao, M.M.

University Of Cincinnati College-Conservatory of Music

Viola

John Moore, M.M.

Florida State University

Saxophone

Sean Mulhall, M.A.

New York University

Music History

Steve Noble, M.P.A.

University of Louisville

Music History

Michael Ramach, M.F.A.

Webster University

Music History and Opera

Linda Ratti, M.M.

Northwestern University

Music Education

Michael Sprowles, M.M.

University of Louisville

Music History

Linda Thieneman

University of Louisville

Music Therapy

Jason Tiemann

Drum Set

Craig Wagner, B.A.

**Bellarmino University**

**Jazz Guitar**

**Tyrone Wheeler**

**Jazz Bass**

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# School of Nursing

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# Admission Policies

The School of Nursing offers the Bachelor of Science in Nursing (BSN). There are three degree curriculums available to pursue the BSN; a traditional BSN, an accelerated BSN, and an RN to BSN. Students apply for a degree program based upon their previous academic background. Only students with a baccalaureate or higher degree are eligible to apply to the Accelerated 2<sup>nd</sup> Degree program. 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; lower division and upper division. Students must be admitted to the lower division of the appropriate degree program to be eligible to apply to the upper division of a degree program. Admission to the lower division does not guarantee admission to the upper division. Admission to the upper division of each degree program is competitive.

## **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. Paper applications may be requested from the Office of Undergraduate Admissions. Admission to the Lower Division (Pre-professional) does not guarantee admission to the Upper Division (Professional Curriculum).

## Freshmen and Transfers with less 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:

- a. graduation from an accredited high school with a grade point average of 2.8 (on a 4.0 scale) or higher, or have an appropriate GED score, or equivalent by petition (for example, home school education).
- b. completion of the pre-college curriculum
- c. composite ACT scores at or above 21.
- d. minimum college grade point average of 2.8, if applicable

## **Admission in Conditional Standing**

Students with a composite ACT score of 19 or 20 and who meet admission requirements a and b (above) may be admitted in conditional standing. Students in conditional standing become students in good standing if their University of Louisville grade point average is 2.5 or above after completion of their 1st semester. The University Grade Point Average (University GPA) is based on all college-level undergraduate courses taken at the University of Louisville. Students will be placed on academic warning according to the academic warning, probation, and suspension standards if after completion of their 1st semester their University GPA is less than 2.5.

Transfer Students with more than 24 hours of college credit

All Accelerated 2<sup>nd</sup> Degree 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 course work 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 cumulative college grade point average of 2.8 (on a 4 point scale) or above on all undergraduate college work.

## **Admission in Good Standing**

Transfer applicants with 24 or more hours of college credit must have a cumulative college grade point average of 2.8 or higher to be admitted. There is no conditional admission for transfer students.

## **Intra-University Transfer Students**

Students who have completed at least one semester in another school of the University of Louisville and have a college grade point average of 2.8 or above may apply for an intra-university transfer to the School of Nursing. They must complete an online IUT application that can be found at: [www.louisville.edu/provost/iut](http://www.louisville.edu/provost/iut). 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**

Admission to the Upper Division is competitive. 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 cumulative and lower division (pre-professional) program grade point average of 2.8 or higher. The cumulative grade point average for admission to Upper Division nursing is calculated based on all course work completed at accredited postsecondary institutions. The lower division (pre-professional) program cumulative grade point average is based on all required lower division (pre-professional) curriculum course work.

• earn a “C” or high in required science, Nutrition and English courses. Science courses must have been completed within the last 10 years. Students must submit to the Associate Dean for Undergraduate Programs an application for acceptance of sciences taken prior to the last 10 years. 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.

NOTE: Applicants to the Traditional BSN program that have completed 32 or more semester credit hours of the required lower division coursework at UofL and meet the minimum criteria for admission will have 0.2 points added to their program grade point average during review of upper division applications.

**To apply to the Upper Division, students must:**

• submit a University of Louisville Undergraduate Application if new to U of L or submit an Intra-University Transfer (IUT) Request if already enrolled in a school other than the School of Nursing at U of L. Upper division applicants who are not enrolled in the School of Nursing Lower Division are required to have an advising session with a lower division advisor at least 4 weeks prior to the application deadline. Call 852-1196 for appointment.

- complete the Applicant Data Sheet 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)

A student lacking one or more of the admission requirements may file a petition through the Office of Student Services. The petition will be considered by the Undergraduate Academic Affairs Committee.

Applications and credentials must be received by the following deadlines:

**Traditional Bachelor of Science in Nursing**

—March 1 for Fall admission

---September 15 for Spring 2009 admission (June 1 for Spring 2010 admission)

**Accelerated Second Degree Program Application Deadline, admit in summer only:**

March 1 for Summer Admission

The Undergraduate Academic Affairs Committee 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. A student lacking one or more of the admission requirements may file a petition through the Office Student Services. The petition will be considered by the Undergraduate Academic Affairs Committee.

### **Guaranteed Early Admission**

The Guaranteed Early Admission (GEA) program is available to both high school seniors and first semester UofL freshman. Ten spaces are reserved in upper division each fall for high school seniors that plan to enroll at UofL. High school seniors apply during their senior year for a guaranteed fall space. In the spring, ten spaces are reserved for full time first semester UofL college freshmen. First semester college freshmen apply upon completion of their first semester of college for a guaranteed spring space.

### **Criteria for Guaranteed Admission**

To be considered as a high school senior for Guaranteed Early Admission to the Upper Division, an applicant must:

1. Have an ACT of 25 or higher
2. Have a high school GPA of 3.35 or higher
3. Submit a letter of recommendation from high school guidance counselor
4. Submit an essay of 500 words or less describing your interest in a career in Nursing
5. Accept a start date to begin Upper Division course for a specific fall semester
6. Maintain a minimum cumulative college GPA of 3.0 each semester of enrollment in the Lower Division
7. Deadline for submitting applications is January 15<sup>th</sup>. Students will be notified in early March.

To be considered as a Lower Division freshman for Guaranteed Admission to the Upper division, an applicant must:

1. Successfully complete one full-time semester of required Lower Division courses at the 100 level or above with a minimum cumulative college GPA of 3.0. Must include at least one required science course.
2. Submit an essay of 500 words or less describing your interest in a career in nursing
3. Accept a start date to begin Upper Division courses for a specific spring semester
4. Maintain a cumulative college GPA of 3.0 or higher each semester of enrollment in the Lower Division.
5. Deadline for submitting applications is January 15<sup>th</sup> each year. Applicants will be notified in early March.

## **Admission to RN-BSN Program**

Registered Nurses apply for admission to the RN-BSN Program in a two level process.

### **Lower Division**

Students may be admitted directly to the RN-BSN Lower Division to complete prerequisite. During the final semester of completing Lower Division prerequisite courses, students apply for competitive admission to the RN-BSN Upper Division. Admission to the Lower Division does not guarantee admission to the Upper Division.

To apply to the Lower Division, applicants must:

- Submit a University of Louisville undergraduate admissions application if you are a new student to U of L or submit an Intra-University Transfer (IUT) Request if already enrolled in a school other than the School of Nursing at U of L.
- Submit all official college transcripts 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 cumulative grade point average of at least 2.5 on all college work. Earn a minimum grade of "C" in required science, Nutrition and English courses
- Have a Registered Nurse license (without restrictions.)

Undergraduate admissions deadlines may be obtained from the University of Louisville website at [www.louisville.edu](http://www.louisville.edu).

Upper division applicants who are enrolled in the School of Nursing Lower Division are required to have an advising session with the RN advisor at least 4 weeks prior to the application deadline. Call 852-1196 for an appointment.

To be considered for admission to the Upper Division, all applicants must:

- Complete the prerequisites or be in the last semester of completion.
- Submit a University of Louisville undergraduate admissions application if you are a new student to U of L or submit an Intra-University Transfer (IUT) Request if already enrolled in a U of L school other than the School of Nursing.
- Submit all official college transcripts to the Office of Admissions at: The office of Admissions, Dept, AO, University of Louisville, Louisville, KY 40292. (Applies to new students at U of L and students who took classes elsewhere without submitting transcripts to U of L).
- Complete the Applicant Data Sheet for Upper Division, RN-BSN available online at [www.louisville.edu/nursing](http://www.louisville.edu/nursing) under the RN-BSN Program information.
- Submit a written essay, narrative, or short story describing your personal qualities, and your short and long term goals regarding your nursing career.

- Submit a copy of a current RN license (without restrictions) to the School of Nursing.
- Earn a cumulative and prerequisite program grade point average of 2.5 or higher. The cumulative GPA for admission to Upper Division Nursing is calculated based on all course work completed at accredited postsecondary institutions. The prerequisite program cumulative GPA is based on all required prerequisite course work.
- Earn a "C" or higher in required science, Nutrition and English courses. There can be no outstanding Incompletes in courses prior to beginning nursing courses.
- Submit a certified criminal background check. Details on the School of Nursing website.

Admission decisions for the RN-BSN Upper Division program are made upon completion of the student application. The Undergraduate Academic Affairs Committee must evaluate applicants for acceptance to the Upper Division. The Committee decision will be communicated to the applicant in writing. Admissions are contingent on successful completion of all prerequisites. 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 with 10 working days of receipt to assure a space in the Upper Division.

Students interested in a part-time program of study for the upper division courses should contact an advisor at the School of Nursing. All qualified students who meet admission criteria but are not accepted into the requested Upper Division due to space constraints should meet with their advisor. A student lacking one or more of the admission requirements may file a petition through the Office of Student Services. The petition will be considered by the Academic Affairs Committee.

Applications may be obtained from the School of Nursing website ([www.louisville.edu/nursing](http://www.louisville.edu/nursing)). If there are any questions, please call the School of Nursing Office of Student Services at 852-1196.

### **International Student Applicants**

Please refer to the University guidelines printed in this catalog with regards to International Student Applicants.

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# Orientation & Clinical Requirements

## Orientation

Students admitted to the Upper Division of all BSN programs, will be required to attend a mandatory orientation conducted by the School of Nursing.

### Clinical Requirements

Before beginning the first clinical course for any BSN program, (BSN, RN-BSN or Accelerated 2nd Degree BSN) 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 a Self-Report Health History
- submit proof of student nurse liability insurance coverage
- submit required immunization records and proof of health insurance coverage to the Student Health Services (call 852-6446 for additional current information on requirements)

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. University of Louisville School of Nursing web page, Blackboard, mailings) to be informed about grades, credits, and requirements, and to abide by the regulations of the University 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.

### Health Services Fee

On April 26, 1999, the University of Louisville 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:

- a. All pathogen exposure (TB and needle stick) to include outside labs, xray, and medications
- b. All visits to the Student Health Services (Belknap and HSC)
- c. Mental Health Services Medications, lab, or xray costs that might be associated with these visits are not covered by the fee.

## **Clinical Laboratory Fee**

The U of L Board of Trustees approved a Clinical Laboratory Fee for all upper division nursing students effective Fall 2005. The fee is \$75.00 for each semester a student is enrolled in any upper division nursing course. The purpose of the fee is to support the maintenance and operation of the Learning Resource Center and the expenses associated with providing clinical instruction.

## **Transportation**

Students are responsible for providing their own transportation to and from clinical sites. Students are not allowed to provide transportation to clients.

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# Academic Policies

## Catalog Year

The University and/or the School of Nursing reserves the right to change programs of study, academic policies, academic requirements, fees, schedules of courses, or the announced academic calendar without prior notice.

## Office of Student 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. Office hours are 8:30 am to 5:00 pm Monday through Friday. The phone number is (502) 852-1196.

## Advising Requirements

Students are encouraged to meet with an advisor prior to registration if they need assistance in course selection. Freshmen and transfer students with less than 30 hours are required to be advised prior to registration. All new students are required to be advised regardless of credit hours. Students on conditional, warning, or probationary status must also be advised prior to registering for courses. 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 apply for re-enrollment on a space available basis.

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 make an appointment with a member of the OSS staff whenever they have a question, a problem, or they do not know where else to go for assistance.

In addition, School of Nursing faculty members are available to counsel students on professional nursing concerns. Students are required to come to the Office of Student Services for the following:

1. Advising and Referral to University Resources
2. Complete Withdrawal from all courses or School of Nursing
3. Schedule Changes
4. Leave of Absence Request
5. Evaluation of Transfer Credits
6. Repeat Options
7. Determination of Status

## 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, if consistent with program requirements in the School of Nursing. Students in the School of Nursing must earn a minimum grade of "C" or better in required science courses, English courses, nutrition, and all nursing courses.

### Transfer Equivalency Determination

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.

## Community College Transfer Limits Policy

For the Bachelor of Science in Nursing degree, students must have at least sixty (60) semester credit hours earned at four-year institutions. Students must also meet university residency requirements.

## Residency

For the Bachelor of Science in Nursing degree, thirty (30) of the last thirty-six (36) semester credit hours must be completed at the University of Louisville.

## 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 are required to pay 1/2 the regular tuition for the credit hours of nursing equivalency upon successful completion of the portfolio course.
6. General Education Block Certifications by accredited Kentucky institutions are recognized. 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. Other transfer courses are evaluated on an individual basis for currency and equivalency to required courses in the nursing curriculum. Science, English, Nutrition, 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 Professional Curriculum (Upper Division).

An Academic Counselor must oversee approval for all transfer credits for students in the RN-BSN Program and the Accelerated 2nd Degree BSN Program.

## **Awarding of Credit for Non-Traditional Work**

### **CLEP Examinations**

The School of Nursing awards credit on the basis of the College Level Entrance Examination Program administered by the College Entrance Examination Board. A candidate for admission to the Bachelor of Science in Nursing program may apply no more than 37 semester hours of CLEP credit toward the baccalaureate degree in nursing. The School of Nursing will accept CLEP credits as granted according to the pre-established standards of each University department responsible for the content area. Refer to General Academic Information section of this catalog (Academic Facilities and Support Services, Testing Services) for more details.

## **Course Enrollment Policies**

### **Enrollment Standards**

Enrollment units may establish grade point average standards that exceed the minimum grade point average requirements of the University. Students are strongly encouraged to familiarize themselves with the academic policies of the School of Nursing. Should an undergraduate student fail to meet these requirements, they may be subject to enrollment restrictions, course repetition requirements, other corrective interventions, and ultimately dismissal from the School of Nursing.

The minimum course load for a fulltime student is 12 credit hours. The maximum load allowed for most students is 17 credit hours. Additional hours may be taken with special permission from the Associate Dean for Undergraduate Programs.

### **Drop/Add Procedures**

Students wishing to alter their schedule of courses in any way must make the changes with the University's Registrar's Office. Failure to officially withdraw from a course may result in a grade of "F". Any student who wishes to drop a nursing course or change from fulltime to part-time study must be advised by OSS and course faculty. Students may not withdraw from any course after the published deadline in the Schedule of Courses without the approval of the Associate Dean for Academic Affairs.

### **Late Complete Withdrawal after the Deadline**

Upon proper documentation of extreme circumstances, decisions for approval of late complete withdrawals from all courses may be made by the Associate Dean for Academic Affairs. Late complete withdrawals are those requested after the deadline to withdraw has passed and before assignment of grades.

## **Concurrent Registration in Another Institution**

If a student in the School of Nursing is also carrying work in another school within the University or elsewhere, the combined program of work in both institutions must not exceed 17 hours. In order to carry such work outside this school, the student must secure permission of the deans of both schools and must report the fact and the amount so carried to the Registrar's Office at the time of registration. Violation of this regulation may result in loss of credit.

## **Pass/Fail Courses**

Students may enroll in a required course on a pass/fail basis only if the course is not offered for a letter grade (unless indicated otherwise in the curriculum plan). Credit will be granted if the course is completed successfully, but no quality points will be assigned. A student may not change his/her registration from pass/fail to letter grade or from letter grade to pass/fail without the signature of the instructor and academic counselor on a drop/add form.

## **Auditing Courses**

Audit status is offered only on a space available basis. For that reason, students may not register for a class in an audit status during early registration, nor may a student change from a graded status to an audit status during that period. Students may register for classes in audit status during regular registration only with written approval of the instructor of the course. Students are allowed to change from audit to graded status or from graded status to audit status at any time from the beginning of regular registration through the last day to add a class so long as they have approval from the course instructor. Students are advised that such approval is the instructor's prerogative and that audit status may have implications for financial aid eligibility. Forms must be turned in to the Registrar's Office by the required date.

## **Academic Bankruptcy**

University of Louisville students who have been out of higher education for at least two years and then return to achieve a 2.50 grade point average or higher in the first 12 degree-applicable credit hours are eligible to apply for Academic Bankruptcy. All degree applicable courses taken during the term in which the 12 hour minimum is attained will be considered in determining eligibility for bankruptcy. Under this policy, students (if approved) could remove one or more consecutive semesters of college work from their grade point average and semester hours completed calculation. University of Louisville students are advised that while bankrupted course grades are removed from the calculation, the course work does remain a part of their permanent record and that the bankrupted work may be considered for financial aid purposes, NCAA purposes, and may be evaluated if applying for honors or graduate/professional study.

Additionally, students must be aware that Academic Bankruptcy is an internal policy and the University of Louisville cannot guarantee how the work will be viewed by another university should the student choose to transfer. Students wishing to examine this option are advised to see an academic counselor in the Office of Student Services for details of the process. Bankrupt semesters will not apply toward enrollment semesters when determining catalog year. Bankruptcy may be declared only once.

# Academic Achievement Guidelines

## **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, based upon all undergraduate course work taken at the University of Louisville. Courses numbered below the 100-level (000-099) taken in the 1998 Fall semester or after will not be used in the earned hours or University Grade Point Average calculation.

## **Warning-Probation-Suspension**

### **Undergraduate Academic Standards Policy**

 The University of Louisville communicates its expectations for undergraduate academic achievement through the Undergraduate Academic Standards Policy. Academic standards are determined by the faculties of the enrollment/degree-granting units. Applicable standards for continuation in a particular enrollment unit can be based upon grade point average, course specific achievement, and in some programs a professional/behavioral component.

## **Academic Standards**

### **Lower Division Progression**

1. Good standing in the School of Nursing is a minimum University cumulative GPA of 2.5
2. Students who, after the first semester at U of L, have a cumulative University grade point average below 2.5 will be placed on Academic Warning. They will be notified that their achievement is below expectations and strongly encouraged to seek assistance, but no additional limitation will be placed on their registration for the next term.
3. In any semester subsequent to being placed on Academic Warning, a student whose cumulative University grade point average is below 2.5 will be placed on Academic Probation for the next semester (including Summer) 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, specified course registration requirements, or other intrusive advising interventions as deemed appropriate by the School of Nursing.
4. Students on Academic Probation will have their records evaluated at the end of the probationary semester with one of the following outcomes:

- student whose cumulative University grade point average is above 2.5 will be restored to good standing.
  - student whose cumulative University grade point average is still below 2.5 but who earned a semester grade point average at or above 2.5 will be maintained on probation.
  - student whose cumulative University grade point average is still below 2.5 and who earned 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).
  - students who are suspended or dismissed by the School of Nursing are eligible to apply for admission to another unit and may be admitted if they meet minimum admission standards of that unit. Students who apply for admission to another unit may not enroll in any courses in the School of Nursing.
5. Readmission of suspended students is not guaranteed. In order to be considered for readmission, a student must submit an "Admissions Petition" and an "Application for Undergraduate Admission" to the Office of Admissions. The petition must be received by the School of Nursing Office of Student Services after being processed in accordance with University deadlines for submitting Admission Petitions. The petition should address the student's perception of the causes of poor performance; the steps the student has taken to address those causes; and a plan of action to return to good standing. Students who are granted reinstatement will be readmitted on probation.
6. No student will be reinstated more than twice; the third suspension is an Academic Dismissal.

## **Repetition of Courses**

Students may repeat to replace a maximum of four (4) courses with grades of F, D, or C. For these four courses, only the last grade attained will be used in the grade point average calculation. Courses in which a grade of D or C was originally attained may be repeated only once under the repeat-to-replace option. Students are not required to repeat an F grade unless the course is specifically required for graduation. Students should be aware that all grades are displayed on the official transcript even after the repeat. All Schools and Colleges within the University will honor any previously granted repeats from other Schools and Colleges within the University. A repeat form must be filed to activate this option. For courses retaken for which this option is not requested, both grades will be used in the GPA calculation, but students cannot receive double credit in hours required for the degree.

## **Course Specific Policies**

Students must earn a grade of "C" or above in the following courses (or their equivalents):

ENGL 101 Introduction to College Writing

ENGL 102 Intermediate College Writing

BIOL 257 Introductory Microbiology

BIOL 258 Microbiology Lab

CHEM 105 Chemistry for Health Professionals

HSS 303 Human Nutrition

BIOL 260 Anatomy & Physiology I

BIOL 261 Anatomy & Physiology II

BIOL 262 Anatomy & Physiology Lab

### **Repeating Anatomy and Physiology Courses**

The following courses can be repeated only one time:

BIOL 260 Anatomy & Physiology I

BIOL 261 Anatomy & Physiology II

BIOL 262 Anatomy & Physiology Lab

Students who do not pass the course the second time will be dismissed from the program.

### **Upper Division Progression**

Students admitted to the Upper Division of Nursing must earn a "C" or above in all nursing courses (NURS and PHTX). Therefore, good standing in the Upper Division is 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 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 admit pending or alternate status. 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.

### **Suspension:**

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 U of L Undergraduate application to the Office of Admissions in accordance with University guidelines. (See #5 under Lower Division Progression.) Re-admission is not guaranteed.

### **Program Dismissal:**

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 852-1196. See Student Petitions for petition procedures and process

## **Student Petitions**

A student wanting to be exempted from a School of Nursing policy should make an appointment with an Academic Counselor for advice and, if necessary, to file a petition. The Academic Counselor will submit the request to the Associate Dean for Undergraduate Programs who will make the decision or determine that the Undergraduate Academic Affairs 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 the Undergraduate Academic Affairs 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.

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# **Additional Academic Policies**

## **Leave Of Absence**

A student who needs to take a leave from coursework for a brief time period because of personal or family matters is required to request a leave of absence from the Associate Dean for Undergraduate Programs. Leaves of absence and conditions for return are granted at the discretion of the Associate Dean. Students are required to maintain continuous enrollment unless a leave of absence has been approved. Failure to request a leave of absence may result in dismissal from the program. Students are responsible for their own remediation for previously learned content upon returning to the program.

Conditions for return include space available basis for admission into courses and compliance with any curriculum changes that may have occurred. Re-admission without an officially approved leave of absence is not guaranteed.

## **Program Progression After Prolonged Leave of 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. The program review will be conducted by an administrator and the Academic Affairs Committee.

## **Dean's List and Dean's Scholar**

1. To be named to the Dean's List, a student must complete at least 12 hours of graded, earned credit during the semester (excluding grades of I, X, or P) with a minimum University Grade Point Average of 3.5 in that semester.
2. To be named a Dean's Scholar, a student must complete at least 12 hours of graded, earned credit during the semester (excluding grades of I, X, or P) with a minimum University Grade Point Average of 4.0 in that semester.
3. Grades from developmental course work (course number below 100) or cooperative education will be excluded from the calculation. This policy does not affect graduation honors.

## **Incompletes**

In the event a student is unable to complete the course requirements by the end of the semester, the instructor has the option to award "I" in place of the grade. "I" means Work in Course is Incomplete and does not enter into the grade computations until a grade is awarded or it becomes an "F." The student has until the end of the next Fall or Spring semester to complete the required course work. If the work is not completed by this deadline, the grade will automatically change to "F."

## **Attendance/Participation**

The nursing program places emphasis on active learning and group methodology. Each student needs to be physically present and actively engaged in learning during the times scheduled for class and clinical, and other learning experiences. It is strongly encouraged that students not engage in other employment on the days course work is scheduled. It is the student's responsibility to inform the faculty and/or the clinical agency when he/she will not be present in the assigned setting. Faculty may require additional course work if a student misses assigned course activities.

## **Independent Study**

Contact Office of Student Services, School of Nursing, for information on independent study courses.

## **Permission to Enroll in a Course**

In order to enroll in a course for which prerequisites have not been met, the student must secure permission from the course/clinical faculty. A petition to the Undergraduate Academic Affairs Committee may be required.

## **Withdrawal Procedures**

Students withdrawing from the nursing program should contact the Office of Student Services, School of Nursing, to complete the necessary forms (an exit interview may be required).

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# Student Conduct, Discipline and Grievance Procedures

Representatives from administration, faculty, and students serve on the School of Nursing's Undergraduate 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 Counselor 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 pursuant to The Redbook. (See University of Louisville Student Handbook for more information.)

## Academic Dishonesty Policy

The faculty view academic dishonesty to be a serious offense which is a violation of professional ethics. (Examples of academic dishonesty are provided within "The Code of Student Rights and Responsibilities," which is located in the "General Information" section of this catalog.) If the School of Nursing determines that a student is guilty of academic dishonesty, it may impose any academic consequence upon the student that it sees fit including suspension or dismissal from the School of Nursing. It is the student's responsibility to read "The Code of Student Rights and Responsibilities" to find out what is meant by academic dishonesty; a plea of ignorance is not acceptable as a defense. Please read the following which provides selected examples of academic dishonesty in the School of Nursing. This is not an all inclusive list.

### A. Cheating

Cheating includes sending another student to gather information about the assigned clinical client without prior authorization by instructor, allowing another student to complete one's clinical responsibilities without the instructor's prior approval (i.e., having another student perform a clinical procedure, catheter care, tracheotomy care, etc., because of not being prepared for the responsibility).

### B. Fabrication/Falsification

Inventing portions of a nurse's clinical notes, flow sheets, clinical logs or verbal reports (e.g. stating any clinical responsibility has been completed which has not). Inappropriately changing the data entered on clinical notes, flow sheets, or clinical logs. Intentional falsification of records (e.g. charting a false time on a medication record or recording a medication as given when it was not).

### **C. Multiple Submission**

Multiple submission is defined as submitting any written work or portion thereof for credit more than once without prior authorization by instructor (e.g. submitting a previously prepared care plan for a currently assigned client).

### **D. Plagiarism**

Any student who is determined to be guilty of any form of academic dishonesty, including plagiarism, is subject to disciplinary actions, including possible dismissal from the school. See the School of Nursing Undergraduate Handbook for procedures to be followed when academic dishonesty is alleged.

### **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.

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# 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.





# Graduation and Degree Requirements

Students who plan to graduate at the end of a given semester must file an Application for Degree in the Registrar's Office. A candidate for the Bachelor of Science in Nursing must have fulfilled the following requirements:

1. Satisfactory completion of the required BSN courses with a university grade point average of 2.0 or higher;
2. Discharge of all financial obligations to the University;
3. Submission of a completed Application for Degree

## Graduation with Honors

Baccalaureate degree students who have earned a minimum of 60 hours of degree credit in residence at the University of Louisville in the School of Nursing will be eligible for consideration to graduate with Honors. Commencement programs will list eligible students as "Candidates for Honors" based on a program grade point average of 3.5 or higher earned by the semester preceding the graduation semester. Final determination of a student's eligibility to graduate with Honors will be based on the student's standing upon confirmation of the degree. Criteria for Honors is as follows:

**"Cum Laude"** - the student must have earned a program grade point average of 3.5 to 3.74."

**"Magna Cum Laude"** - The student must have earned a program grade point average of 3.75 or above.

**"Summa Cum Laude"** - The student must have earned an expanded university grade point average of 3.75 or above and successful completion of the honors project or thesis.

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# Faculty

## Professors

Paulette Adams, Ed.D.  
Professor Emerita  
University of Kentucky

Ruth Craddock, D.S.N.  
Professor Emerita  
University of Alabama-Birmingham

Linda H. Freeman, D.N.S.  
Indiana University

Marcia Hern, Ed.D.  
Dean  
University of Cincinnati

Cynthia Logsdon, D.N.S.  
Indiana University



Kay T. Roberts, Ed.D.  
Indiana University

Karen M. Robinson, D.N.S.  
Indiana University

Robert Topp, Ph.D.  
Ohio State University

## Associate Professors

Deborah Armstrong, Ph.D.  
University of Kentucky

Cathy Bays, Ph.D.  
University of Cincinnati

Carla P. Hermann, Ph.D.  
University of Kentucky



Vicki Hines-Martin, Ph.D.  
University of Kentucky

Ermalynn Kiehl, Ph.D.

Associate Dean for Undergraduate Academic Affairs  
University of Florida

Rosalie Mainous, Ph.D.  
Associate Dean for Graduate Academic Affairs  
University of Kentucky

Barbara Speck, Ph.D.  
Acting Associate Dean for Research  
University of North Carolina

Deborah Thomas, Ed.D.  
Spalding University

## **Assistant Professors**

Said Abusalem, Ph.D.  
University of Kentucky

Karen Black, Ph.D.-c  
Bellarmine University

Elizabeth Bonham, Ph.D.  
University of Arizona

Vicki Burns, Ph.D.  
University of Missouri

Diane Chlebowy, Ph.D.  
Ohio State University

Mary-Beth Coty, Ph.D.  
Vanderbilt University

Peggy El-Mallakh, Ph.D.  
University of Kentucky

Stanley L. Ridner, Ph.D.  
University of Kentucky

Celeste Shawler, Ph.D.  
University of Kentucky

Karen Singleton, MSN  
University of Louisville

Mary Pat Wall, Ph.D.  
University of Maryland



## **Instructors**

Glenda Adams, M.S.N.  
Dominion University

Barbara Curtis, M.S.N.  
St. Louis University

Carrie Frederick, M.S.N.  
University of Louisville

Sandra Harshfield, M.S.N.  
Indiana University-Indianapolis

Sara Kowalczyk, M.S.N.  
University of Louisville

Patricia Martin, M.S.N.  
Bellarmino University



Heather Mitchell, M.S.N.  
University of Southern Indiana

Whitney Nash, M.S.N.  
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Alona Pack, M.A., B.S.N.  
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Debra Pizzuti, M.S.N.  
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Diane Riff, M.S.N.  
Northern Illinois University

Karen Schuckmann, B.S.N.  
Bellarmino University

Deborah Smith, M.S.N.  
Bellarmino University

Joyce Smith, M.S.N.  
University of Wisconsin





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# **Kent School of Social Work**

**General Contact Information**

**From the Dean's Desk**

**General Information**

**Curriculum Information**

**PUBLIC CHILD WELFARE CERTIFICATION PROGRAM (PCWCP)**

**BSW Application Process**

**Academic Advising Policies and Procedures**

**Other Programs and Information**





# General Contact Information

**Mailing Address:** Kent School of Social Work, Oppenheimer Hall,

University of Louisville, Louisville, Kentucky 40292

Kent Telephone Number: (502) 852-6402

Kent Fax Number: (502) 852-0422

Kent Electronic Mail: [kentssa@louisville.edu](mailto:kentssa@louisville.edu)

Kent website: <http://louisville.edu/kent/>

Kent BSW Electronic Mail: [bswkent@louisville.edu](mailto:bswkent@louisville.edu)

Kent BSW website: <http://louisville.edu/kent/bsw>

## Kent School Administration

Dr. Terry Singer, Dean:

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Dr. Annatjie Faul, Associate Dean Academic Affairs:

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Dr. Pam Yankeelov, Associate Dean Student Services:

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## BSW Program Personnel

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Dr. Dana Sullivan, Co-Director, BSW Program:

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Lynetta Weathers Mathis, MSW, Assistant Director of Field Education

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Geri Morgan, MSW, BSW Coordinator of Academic Affairs

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# From the Dean's Desk

Popularized versions of contemporary urban life have written off today's cities as blights on the American landscape. Portrayed as bastions of criminality, drug and alcohol abuse, child and elder abuse, sexual and domestic violence, among other social ills, the cities are blamed for much of society's disease.

The Kent School of Social Work offers students the opportunity to engage a learning process that prepares them to become leaders in solving the problems of urban life. Committed to the belief that cities have rich potential to foster healthy community living, the School provides an educational experience to develop knowledge and skills of problem solving, blending theories of economics, politics, social policy, family systems, and psychology to name a few. The profession of social work is grounded in a belief in the dignity and worth of individuals, the importance of social and environmental context, the need to advocate for the oppressed and disempowered, the celebration of diversity, and a commitment to working with the focus on the strength of the client.

Students in the program will find a strong generalist orientation in the foundation that prepares them to work with a range of systems from individual, groups, and families to organizations and communities. In the advanced curriculum, students will deepen their understanding of social problems through skills and knowledge associated with complex critical thinking and best-practice evidence. In recognition of the value of greater interdisciplinary involvement, students will find the faculty involved in research interests with a number of other disciplines, including urban studies, medicine, nursing, dentistry, and others. This provides a rich learning environment in the classroom. And towards that end, dual degrees with law, theology, women and gender studies, and Pan African studies help students to match their own professional goals within the context of a collaborative foundation.



At Kent, efforts have been made to meet a variety of students' needs in preparation for advanced social work practice, whether it be programs on the main campus or distance sites, evening or weekend options. The BSW program starts this year and offers an exciting opportunity for undergraduate students to learn about generalist evidence-based social work practice; the MSSW program with its urban focus has established a high mark of excellence for the practice of its graduates; the Ph.D. program, offered as a collaborative effort between the University of Louisville and the University of Kentucky, provides preparation for research and leadership in addressing social needs that extend from the Commonwealth to the international community. These educational ventures promise to challenge and excite the learner in the hope of creating and sustaining a better life, a better world.

Terry L. Singer, Ph.D.  
Dean

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# General Information

## Bachelor of Social Work (bsw)

### Introduction

The roots of Kent School date back to 1918 when special courses for social welfare workers were offered through the auspices of the Louisville Welfare League. These courses were offered on a regular basis until 1923 when the program became affiliated with the University of Louisville. For the next 13 years, organized courses on the undergraduate level were offered by the University. In 1936, a full 2-year graduate program was established as the Graduate Division of Social Administration. The program became known as the Raymond A. Kent School of Social Work in honor of a former president of the University of Louisville. In 1994, the Family Therapy Program was added to the school, through which counseling in marriage and family therapy is offered. And in 1997 the University of Louisville and the University of Kentucky combined to offer a collaborative program of doctoral study in social work.

### Mission



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.

### Accreditation

The Master of Science in Social Work program is accredited by the Council on Social Work Education (CSWE). The Bachelor of Social Work program is under candidacy status by CSWE. The Master of Science in Social Work with specialization in Marriage and Family Therapy as well as the Post-Masters Certification program in Marriage and Family Therapy is accredited by the Commission on Accreditation for Marriage and Family Education. The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4907; Telephone number 404-679-4501) to award associate, bachelor, master's, doctoral, and first professional degrees (D.M.D., J.D., M.D.).

### Social Work Profession



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 the individual cannot be seen in any 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.

## The Education Program

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 (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 III (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.

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# Curriculum Information

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.

## Practicum Education

One component of the BSW program includes a practicum placement in a social work community setting. It is intended to reinforce the student's identity with the profession, supplement classroom learning, provide a laboratory to develop practice skills, and promote professional competence. Students are carefully placed in these experiences and monitored by the Office of Practicum Education of the School under the weekly supervision of qualified agency supervisors and overseen by a Practicum Faculty Liaisons. These students receive weekly supervision and regular oversight by the School. The School has a long history of successful community partnerships that includes approximately 300 different social service agencies. A formal Community Advisory Board comprised of our agency partners keeps us well connected to and collaborative with the human service community. Accreditation standards are satisfied as our program requires students to complete a minimum of 450 hours of field education. For each semester of practicum, students earn 6 credit hours. Students will be in placement for two days per week for two consecutive semesters. The School's present policies about on-job field placements are explained below and in The Practicum Education Handbook. If employed in a human services agency meeting the School's criteria as a

placement site, the student may apply to undertake the practicum at her/his place of employment. This may be accomplished when the agency is willing to shift the student's work role and supervision in such a manner as necessary to meet the School's educational objectives for practicum instruction. Practicum education is offered in a concurrent format so that students enrolled in a practicum course simultaneously must be enrolled in a practice course and the practicum lab/seminar, i.e.; SW 470 with SW 405 (Practice III) and SW 472 (Seminar and Lab I), SW 471 with SW 406 (Practice IV) and SW 473 (Seminar and Lab II).

## **Policy Concerning On-Job Practicum**

A request for an on-job placement must be made at the time of application for the practicum. Students must have been employed within the agency where a placement is being requested a minimum of 6 months by the start of the practicum semester. The on-job practicum must be different in scope and content from the student's regular job. The practicum supervisor must hold a MSW degree from an accredited college and have 2 years of post-master's social work experience, and must be a different person than the student's work supervisor. The educational objectives remain the same for on-job practica as for other practica. Each request will be carefully reviewed by the Assistant Director of Field Education. Please see the Practicum Education web page for additional information about on-job practicum.

## **Practicum Credit**

Course credit for the Practicum (6 credits hours each for SW 470, SW 471) is earned only when the practicum has been completed. Students who withdraw from the practicum do not earn any credit - either in terms of clock hours or course credit hours - for any time spent in the placement, just as students who withdraw from other courses do not earn any credit for the hours they have attended class. Under exceptional circumstances, when students are transferred from one placement setting to another by the Kent School Assistant Director of Field Education the number of clock hours - if any - credited for the initial placement is determined by the Faculty Practicum Liaison in consultation with the Assistant Director of Field Education. Credit for such hours is not to be routinely expected by the student. Subsequent Faculty Practicum Liaisons and agencies may be willing to allow this credit and accept a transferred student for fewer than the number of clock hours typically required, but are not obliged to do so.

## **Electives**

The Kent School of Social Work provides electives as enrichment to the specialized learning in the concentration year. Social work jobs call for skills and knowledge that are broader than any narrowly defined specialization. For example, mental health workers are asked to know psychopathology, substance abuse, managed care, AIDS, and a range of other substantive areas. Many school social workers share the need for the same content. In addition, it is noted that social workers frequently change jobs, often to another field of practice. Social work education seeks to teach students to think critically, analyze systematically, and know where to find information and resources within the context of social work history, development and values. It is this type of education that best prepares students to function in a rapidly changing society.

In this curriculum paradigm, electives are considered enrichment. Some of this enrichment is in the form of very specific course content that aligns with a specific focus area. For example, a person interested in the substance abuse area may elect to take a course in this area to prepare for work in a substance abuse treatment facility or other related employment agencies. Or, the enrichment may take the form of exploration as in the case of the student taking an aging or child welfare course to better understand those fields of practice and to prepare for various job prospects.

# PUBLIC CHILD WELFARE CERTIFICATION PROGRAM (PCWCP)

(taken from the PCWCP Brochure, 2007, Eastern Kentucky University)

## WHAT IS PCWCP?

The Public Child Welfare Certification Program (PCWCP) has been implemented by the Kentucky Cabinet for Health and Family Services and ten university undergraduate social work programs in order to better serve the children and families in this state. The goal of this program is to fill the ranks of Child Welfare Workers with the most competent and well trained workers who can provide high quality services immediately following employment. The Cabinet has partnered with the Universities to offer Bachelor Social Work juniors and seniors their academic program in conjunction with participating in the Cabinet's child welfare training curricula prior to graduation. These students are provided full instate tuition, a stipend and must complete a two year employment commitment with the Cabinet upon successful completion of this program participating universities.

The following state and private universities participate in PCWCP:

Brescia University  
Campbellsville University  
Eastern Kentucky University  
Kentucky State University  
Morehead State University  
Murray State University  
Northern Kentucky University  
Spalding University  
University of Kentucky  
Western Kentucky University  
University of Louisville

## Eligibility

To be eligible for this program, you must be a fulltime BSW social work major. You must have:

- An overall cumulative GPA of 2.5.
- A cumulative GPA of 3.0 in social work courses
- Receive no less than a "B" in the required
- PCWCP courses and field practicum(s)
- At least three semesters and not more than four of undergraduate Social Work courses left to take.
- Have taken a Social Work practice course prior to taking the second of two PCWCP courses. An application selection process is used to choose full-time students each academic year at each of the participating universities.

## **Benefits**

There are numerous benefits to this program:

1. Your in-state tuition will be paid (the Cabinet will pay tuition at private universities equal to the rate of the highest tuition at a participating public university) through this project for up to four semesters.
2. You will be given a \$1300 per semester stipend for your books, living expenses and travel related to this program for four semesters.
3. Once you have completed this program and have graduated with at least a 3.0 GPA or a "B" average in your social work courses, you will be certified as having successfully completed the Public Child Welfare Certification Program and will be assisted in acquiring employment with the Department for Community Based Services consistent with state personnel requirements.

## **Obligations**

As a participant in this program you will be obligated, by contract, to the Cabinet for Health and Family Services. You will be expected to apply for employment 30 days prior to graduation and accept a position with the Department for Community Based Services, in the Social Service Worker series, and remain employed there for two (2) years.

To apply for this program, please contact the PCWCP Coordinator within the BSW program.

## **BSW CURRICULUM PLAN**

Students will be required to follow their curriculum plan as outlined with the Coordinator of Academic Affairs.

### **PLEASE NOTE:**

1. All curriculum plans begin in the Fall Semester. Some students may need to take supporting courses or prerequisites beginning in the Summer, please take note of this special starting semester.
2. All classes are taken two days a week, except for elective courses. For 3 credit hour undergraduate courses, the class will be scheduled for two days each week for 1 hour, 15 minutes each. Each course is offered TWICE a week over 15 weeks during the semester.

## **PUBLIC CHILD WELFARE CERTIFICATION PROGRAM**

**(Only for students wanting to participate in this certification program in child welfare, see the sections above on page 16 for a description of the program.)**

If you are interested in the Public Child Welfare Certification Program, please see the brochure that can be found on the website [www.louisville.edu/kent/bsw](http://www.louisville.edu/kent/bsw). After reading the brochure and deciding you would like to be considered for this program and accompanying scholarship, please submit the following materials in addition to the previously listed materials on this checklist. All of the following forms can be found at [www.louisville.edu/kent/bsw](http://www.louisville.edu/kent/bsw)

- Completed PCWCP application packet

- 3 letters of reference (forms are contained within the PCWCP application packet)
- Authorization to conduct a Criminal Records Check and Child Abuse/Neglect Central Registry Check
- Essay using the following guidelines:

Attach a four or five page paper to the PCWCP application which addresses the following:

1. If you had to explain the term child welfare to someone, what would you say?
2. Why are you interested in the field of child welfare?
3. What qualities do you feel that you have that would make you a good child welfare worker?
4. Discuss areas where you need further exposure, growth, and development in order to become an effective child welfare worker.
5. Describe your short-term (5 years from now) and long-term goals.

When Kent School receives all of the PCWCP materials, an interview will be scheduled with the applicant, the BSW Co-Directors and various Department of Community Based Services representatives to explore the match between the student's interest and strengths and this specialization.

The Kent School Admissions Committee will review the application only when all credentials are on file.

## **BSW Entry Date**

New students enroll in the fall semester only, while a limited number may enroll in spring.

## **BSW Admission Application Date**

You may apply to Kent School as early as the November prior to the year of your planned enrollment. The final deadline varies, but because entry into the program is highly competitive, applicants are encouraged to submit their applications early to ensure a space. All admissions materials must be received in the BSW Office of Admissions by the deadline date in order for an applicant to be considered for admission by a particular deadline. Earlier applicants have more options and enjoy clear advantages. Kent School deadline for admission for Fall 2008 is May 16, 2008.

## **Tuition and Fees**

### **Undergraduate**

Per Hour Full-Time (12)  
 Resident \$290.00 \$3,470.00  
 Non-Resident \$739.00 \$8,867.00

## **Tuition Reduction Schedule**

When a student officially withdraws from the University, or from any course or courses for which hourly rates apply, tuition and student activity fee charges and credits are adjusted in the following

manner:

#### Withdrawal Charge Reduction

Withdrawal through the first week of the term 0% 100%

Withdrawal during the second week of the term 50% 50%

Withdrawal during the third and fourth week of the term 75% 25%

Withdrawal after the fourth week of the term 100% 0%

This policy applies to all tuition and student activity fees except nonrefundable deposits. Summer term refund dates are printed on the Bursar's website.

## Residency Policy

Residency status for students is determined in the U of L Office of Student Services. The status is determined according to the policy on classification of students for fee assessment purposes at state-supported institutions of higher education. Except as provided in the guidelines, it is presumed that a resident has remained in this state in a non-student status for the 12 months immediately preceding the last date for enrollment in the institution.

The domicile of an unemancipated person, as defined in the guidelines, is that of his/her parent. The domicile of a married person is determined by the provisions of the guidelines independent of the residence of the spouse.

## Indiana Tuition Reciprocity

Beginning Fall 2007, residents of Clark, Crawford, Floyd, Harrison, Scott, & Washington counties will be charged the current resident tuition rate.

## Students' Financial Responsibility

University policy requires that registration fees be paid in full at the beginning of each term on or before the designated due date. Payment may be made by cash, check, money order, charge card (Mastercard, Visa), or financial aid credit. Students who are able to demonstrate a financial inability to fully settle their tuition fees may apply for the University Short-Term Loan Program through the Bursar's Office. These loans are limited to 75 percent of the registration fees and require installment payments during the semester. A \$25.00 processing fee is charged for all loans regardless of the amount borrowed. If financial assistance is required, commitments from the Financial Aid Office should be obtained prior to registration.

The Bursar's Office will accept a check for payment of University accounts. Checks that are postdated will not be accepted nor will any check be held for deferred deposit. The student who gives the University a check that is later returned by the bank unpaid will have \$15.00 added to his or her fees for each such check. If the amount due and penalty are not paid promptly, the student will be subject to legal action. Louisville banks require time to clear checks written on accounts in out-of-city banks before they will honor checks drawn on newly opened accounts.

Students are expected to pay their charges before the deadline based on the information available at the Bursar's website: <http://louisville.edu/vpf/bursar/> A Statement of Account will NOT be mailed. Tuition payment deadlines are available at <http://ulink.louisville.edu> (Login, Student Services, Tuition-Fees-Payment Options, Financial Responsibility). A late payment fee of \$50.00 may be assessed when student accounts are not financially settled by the deadline and students will be dropped from classes without notification. If a student's course registration is cancelled for non-payment, the reinstatement process will require the approval of the student's enrollment unit and

payment of a \$50.00 reinstatement fee.

## **University Financial Aid**

The University of Louisville Financial Aid Office exists to help students meet their educational expenses so that they may begin or continue to attend the University. The Office administers 4 types of assistance scholarships, grants, educational loans, and part-time employment. Any or all of these may be used in varying proportions to help meet financial needs. All awards are made for an academic year but require satisfactory progress toward a degree for continuation. The Financial Aid Office offers loans and part-time employment to graduate as well as undergraduate students. More detailed information about programs, eligibility requirements, and procedures for making application is available in the Financial Aid Bulletin and on ULink ([www.louisville.edu](http://www.louisville.edu)). Copies of the bulletin and application forms may be obtained from the Financial Aid Office, Student Center, Belknap Campus, University of Louisville, Louisville, Kentucky 40292.

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# BSW Application Process

## Admission to Kent School of Social Work BSW Program - Requirements

Persons interested in admission to the Kent School should contact the BSW Coordinator of Academic Affairs. We encourage potential applicants to please consult the Kent Website at <http://louisville.edu/kent/bsw>. If you wish to discuss the application process in person, you may contact the BSW Coordinator of Academic Affairs, Geri Morgan, MSW, to make an appointment.

Kent School seeks mature students with a demonstrated ability to work with people, emotional stability, good interpersonal skills, good health, 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 UofL's Admission Office and declare a major as Social Work, they are admitted to the University as pre-social work students. However, admission to pre-social work does not guarantee admission to the professional Social Work Program. After completion of 45 hours of college credit, they may be considered for admission to the Social Work Program. Admission to the professional 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 Professional Social Work Program:

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

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

### Current U of L students must:

- Contact the BSW Coordinator of Academic Affairs via email 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.
- Supply a personal statement – A 700-1000 word statement must be submitted with the application. Submit a carefully written personal statement (double-spaced typewritten pages-12 pt.) that addresses the following topics:

discuss your commitment to the goals and purposes of social work; describe 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.

- Add the Statement of authenticity to the applicant's personal 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.

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Applicant's Signature

Date signed

- 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.

- 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.

Submit the above materials to:

**BSW Admissions**

**University of Louisville Kent School of Social Work**

**Attn: BSW Coordinator of Academic Affairs**

**Louisville, KY 40292**

Email: BSWKENT@louisville.edu

**Transfer students must**

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

- If you have questions about this form, you may contact the UofL Office of Admissions, Phone: 502-852-6531, 1-800-334-8635 ext. 8526531, Fax: 502-852-6526, Address: Office of Admissions, University of Louisville, Louisville, KY 40292, Email: AdmitMe@louisville.edu,

- \$30 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.

- An official academic transcript – is required 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. U of L transcripts are provided automatically for applicants who have attended U of L. 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 <http://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 <http://www.wes.org> and Educational Credential Evaluators at <http://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.

- Personal statement – A 700-1000 word statement must be submitted with the application. Submit a carefully written personal statement (double-spaced typewritten pages-12 pt.) that addresses the following topics:

discuss your commitment to the goals and purposes of social work; describe 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.

- Statement of authenticity to the applicant's personal 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.

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Applicant's Signature

Date signed

- 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.

- 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.

Submit the above documents to:

**BSW Admissions**

**University of Louisville Kent School of Social Work**

**Attn: BSW Coordinator of Academic Affairs**

**Louisville, KY 40292**

Email: [BSWKENT@louisville.edu](mailto:BSWKENT@louisville.edu)

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# Academic Advising Policies and Procedures

## Student ID number and ID cards

Upon admission into the university you will be given a student identification number (please refer to your admission letter to find out your student identification number). This number replaces your social security number and should be used with all correspondence so that University offices can locate you quickly. Please remember and use your student identification, as you will be called upon to use this number for a number of things.

Your student ID number is printed on your student identification card. This card is called the Cardinal Card and will serve as your identification card, library card, meal plan card, and if you have a USBank checking account, it can also be used as your ATM card. Coming soon the Cardinal Card can be used for facilities access and student elections.

Cardinal Cards are issued in the Campus Card Office. The main office, located on the Belknap Campus, is in the lower level of the Houchens Building in Room 08K. The satellite office, located on the Health Science Campus, is located in the Abell Building first floor security station. If you are a newly admitted student, identification cards will be given to you during the fall admission term. You must bring a photo id, know your student id number and bring the completed Cardinal Card Agreement form (<http://louisville.edu/campuscard/getacard.html>) All found Cardinal Cards should immediately be returned to the Campus Card Office. For more information on Cardinal Cards visit: <http://louisville.edu/campuscard/index.html>

## Communication with Kent School faculty and staff

The fastest way to reach most Kent School personnel and university offices is via e-mail. The Kent School directory of e-mail addresses can be found at: <http://louisville.edu/kent/kentphone.pdf> It's a good idea to save e-mail notes for your record and keep a correspondence log to track your interactions with faculty and staff.

Please use a closing salutation including your name, your student id number, your telephone numbers (cell, work, home) and your e-mail address. This comes in handy in the event someone needs to contact you by alternative means and also helps staff when researching any concerns you may have addressed; your student id is the way that we research your records.

## Student e-mail

The University of Louisville will provide GroupWise accounts for all students upon admittance to the program. GroupWise is the standard email platform for faculty, staff and students. Benefits of the GroupWise system include access to global email address books for faculty, staff and students, increased email storage space, mobile access for PDAs, smart phones, etc. with appropriate data plans, ability to share and view calendars, one userID and password for ULink and Groupwise. You can download the full GroupWise client to your personal PC from the IT Store at <http://louisville.edu/it/itstore>. You will be prompted for your ULink userID and password. The website at <http://louisville.edu/it/services/e-mail/groupwise/> contains detailed information regarding

GroupWise. There is online training available at <http://louisville.edu/it/support/training/gw/group-tutorials.html/> You can get help by reading the documentation on the web at <http://louisville.edu/it/services/e-mail/groupwise/>, or by contacting the HelpDesk at 852-7997 or [Helpdesk@louisville.edu](mailto:Helpdesk@louisville.edu).

Kent School administration, faculty and staff as well as the University's Bursar's office, Registrar's office and Financial Aid office only communicate with students via their university e-mail accounts. Personal e-mail accounts will NOT be used. It is very important that students use their university e-mail accounts and check their e-mail on a regular basis. This is the best way to stay connected with the school and to be informed of any important issues.

## **Change of Address**

It is the student's responsibility to contact the Kent School and the Registrar's Office to update contact information. You should change this information online through ULINK (<http://louisville.edu/ulink>) and you should send an e-mail to the Kent School ([kentssa@louisville.edu](mailto:kentssa@louisville.edu)) to update any change in your contact information, i.e., address, phone number.

## **Kent School Student Association**

KSSA is the voice of students of the Kent School of Social Work. KSSA is designed to represent the concerns and needs of students to the Kent School administration, university administration and student government and to provide programming of special interest to students. Become involved in KSSA by sending an e-mail to the KSSA council at: [kssa02@gwise.louisville.edu](mailto:kssa02@gwise.louisville.edu)

## **Student Advising**

The BSW Coordinator of Academic Affairs will be your assigned advisor. The role of your advisor is to assist you professionally and in the event you need to have an academic review, the advisor will serve as a mentor to help you to succeed at Kent. You must meet with your advisor to register for classes.

## **Kent School Portfolio**

It is important to keep certain information throughout your tenure at Kent. Some of this information will be useful during your time at Kent, others will be important for licensure after graduation: 1) Student Identification Number; 2) Transcript; 3) Admission Letter from Kent; 4) E-mail address and password; 5) Credit Hours required to complete your program; 6) Course Syllabi and Description; 7) Practicum Information (i.e., evaluations, names of pertinent people); 8) Any correspondence from Kent School.

## **Transfer of Credit**

Contact the BSW Coordinator of Academic Affairs to request for any transfer of credit for social work courses taken at any other accredited university.

Semester Calendars

Term	Semester Dates	Last Day of Registration	Classes Begin	Last day to add or drop with 100% tuition credit*	Last day to withdraw with 50% tuition credit	Last day to withdraw with 25% tuition credit	Last day to withdraw	Last day of classes
Fall 2007	Aug. 20 – Dec. 3, 2007	Aug. 20	Aug. 20	Aug. 24	Sept. 10	Sept. 17	Oct. 11	Dec. 3
Spring 2008	Jan. 7 – April 21, 2008	Jan. 7	Jan. 7	Jan. 11	Jan. 28	Feb. 4	Feb. 25	April 21

<http://louisville.edu/student/services/registrar/semestercalendars.html>

**Final Exams are Fall: December 5-11, 2007; Spring: April 23-29, 2008.**

## Registration Procedures

Registration is fast and simple. Students are encouraged to use the early registration option each semester to ensure a place in a class that fits your schedule. Before registering, please consult the BSW curriculum plan. Please follow this model exactly throughout your tenure at Kent School.

To find the online schedule of classes, please go to (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>). Find the classes to match your curriculum plan. The online schedule is the most up-to-date schedule. It lists cancelled classes, lets you know how many students are registered in your class, instructs you on whether you should take an additional class with the class you are registering for and gives a course description. Remember to always check the campus location while viewing the online schedule of courses. On the Registrar's website <http://louisville.edu/student/services/registrar/reginfo.html> you will find the listing of scheduled downtimes for registration, please make note of these dates and times. There are 2 ways to register for classes, online over the internet or by touch-tone telephone. The preferred method to register for classes is online at the ULINK (<http://ulink.louisville.edu>) website. Always print your schedule and keep for your records. Student information can get distorted or deleted, so maintaining a printed copy of your schedule is an easy way to prove you have registered. If you need to register by telephone (touch tone (502) 852-2222), follow the prompted touch tone instructions, or before doing this review the Registrar's website <http://louisville.edu/student/services/registrar/reginfo.html>.

## Waitlisting Courses

The University allows students to place themselves on a waitlist for all courses. Before requesting to be

placed on the waitlist, students should be aware of the following:

- Students can only request to be put on a waitlist through online web registration using ULink. When a student enters a class number on the enrollment panel, there is an option to request being placed on the waitlist if the class is closed. Touch-tone is not equipped for the waitlist process.
- If the course becomes open, the first student on the waitlist will be added into the class by a process that will be ran several times a day and more often during peak periods.
- Students are responsible for checking the status of the waitlisted course by logging on ULink and viewing their schedule to see if the course has been added. Students will not be informed when they are added or if the add is attempted and fails.
- If the meeting time of the course the student is waitlisted in is not available on the student's schedule, the student will not be added to the course.
- If adding the student into the course would exceed the student's maximum hours for the term, the student will not be added to the course.
- If a student does not meet the pre-requisites or other restrictions for that course, the student will not be allowed on the waitlist.
- Students cannot use this for the purpose of trying to find a more suitable time of a course as enrollment in multiple sections is not allowed.
- Students are cautioned not to use the "Swap" option if using the waitlist option as doing this would take them out of the course they are currently enrolled in immediately and may not get into the class they waitlisted for.
- The last day we will allow students to waitlist for Summer is the first day of the class. For Fall and Spring semesters, the last day to waitlist is through the Wednesday of the first week of classes. The last day that we will move students from the waitlist and enroll them for Summer is the first day of the class. For Fall and Spring semesters, students will be enrolled from the waitlist through 10:00 pm on the Friday of the first week of classes.
- Please note that a course that is closed may appear to be open for a short time if a student drops and there are students on the waitlist. The closed class message given to the student includes a message explaining that - if a course appears to be open with a space, but the student receives back a message that the course is closed, it is due to a student being on the waitlist. The student will be moved off the waitlist by a process we run several times a day and more often during peak registration times.
- If you check the online schedule of classes, you will see a column titled "Wait". This shows the number of students waitlisted and the maximum number of students allowed on the waitlist. If there are students on the waitlist and the course is displayed as open, this means the waitlist process has not been ran since someone dropped the course. The first student on the waitlist will be moved into the class the next time the process is ran.
- Students are first informed of their place on the waitlist when they are initially added to the waitlist. After that, students can view their current place on the waitlist by viewing their schedule online.

## **Registration into a closed class**

### **Open Registration Period**

To register into a closed class when registration is still open, students should e-mail the instructor and copy the BSW Coordinator of Academic Affairs to obtain permission to enroll into their closed section with the following information: 1) Your Name; 2) Student ID; 3) Semester and year that you want to enroll; 4) 9 digit course # (course numbers available on the online schedule of classes); and 5) Name of the course. Also in your e-mail request, if the over enrollment is granted, ask the instructor to please forward the approval to the BSW Coordinator of Academic Affairs's attention. At the close of your request, please indicate alternative contact information, i.e., office phone, home phone, cell phone, alternative e-mail address. The BSW Coordinator of Academic Affairs will then clear you for enrollment, after which she will send you an e-mail requesting that you enroll into the class. Please allow a few days for this transaction to occur. If a problem occurs, the BSW Coordinator of Academic

Affairs will contact you via e-mail or telephone. If you experience additional problems, please contact the BSW Coordinator of Academic Affairs.

If there is a large demand for the full course, the Kent School reserves the right to open another section. In the event that this occurs, we will not allow over enrollments into closed classes. If you have additional concerns, e-mail the BSW Program Co-Directors to learn of the latest class arrangements.

It is your responsibility to check your online schedule to make sure you are enrolled into all of your classes. It is a good idea to print your schedule for your records anytime there is a change to your schedule. You will not be permitted to attend a class in which you are not enrolled.

## **Closed Registration Period**

When registration has already closed for the semester, a different procedure should be followed. In the event of closed registration, you must first submit an e-mail request as stated above. After the instructor has granted permission, you should follow the following steps: 1) Complete a drop/add form (this form is located online should be printed at <http://louisville.edu/student/services/registrar/DropAdd.pdf>; 2) Obtain the instructor's signature; 3) Submit the form to the BSW Coordinator of Academic Affairs for processing; 4) Please be prepared to make financial settlement at this time.

## **BSW Full-Time Status and Course Load**

Students must enroll for a minimum of 12 credit hours per semester during the fall and spring semesters. Full-time study is defined as a minimum of 12 hours of credit during a regular semester and 6 hours during the Summer. Students may carry 12-16 hours per regular semester as a normal course load. During the summer semester, 12 hours are seen as the maximum enrollment allowed.

## **Changing Course Schedules: Dropping and Adding Courses**

The University of Louisville academic calendar indicates the final date for adding or dropping courses for each semester <http://louisville.edu/calendars/academic/undergrad-grad.html>. The student should check carefully regarding this date, as no course may be added thereafter. After the last posted date to withdraw, the student must obtain the approval of the BSW Co-Directors to do so. Only in rare circumstances will permission be granted.

Students can use the online registration option to drop or add a class when registration is still open. If a course is dropped within the first week of classes (see Schedule of Courses for dates), the course name is removed from the transcript. If a course is dropped after the first week, the course will appear on the transcript with a grade of Withdrew (W).

To add a course after the registration period has ended, the student should first confirm with the course instructor that space is available. To add or drop a course, the student should complete a Drop/Add form <http://louisville.edu/student/services/registrar/DropAdd.pdf> and personally take the form for signatures to the instructors of the courses being dropped/added. The student must then submit the form to the BSW Coordinator of Academic Affairs for processing. Failure to process this form when a class is dropped will result in the assignment of a grade of "F" for the course.

## **Auditing Courses**

Students may register for courses on an audit basis, only if approved in writing by the BSW Co-Directors and the instructor of the course. Audited courses are listed on the student's transcript but carry no credit, and no grade is recorded. Students are not allowed to audit classes without registering as an auditor. A drop/add form (forms are located online at the Registrar's website at

<http://louisville.edu/student/services/registrar/DropAdd.pdf> must be completed and submitted to the BSW Co-Directors for approval. The form must be turned into the Registrar's Office.

## **Class Cancellations**

Kent reserves the right to cancel classes at any time. Although Kent School tries to prevent any unnecessary cancellations, they reserve the right to cancel a class with less than 10 students enrolled. Sometimes the classes will still be offered, even in the event of low enrollment, due to special circumstances. It is therefore important not to drop a class with low enrollment and first wait for official notification before acting. The BSW Co-Directors will send notifications to all students informing you of the classes that will be cancelled prior to the start of the semester. The Registrar's office may also send notification to you that your class has been cancelled. In the event of a cancelled class, please check the online schedule of courses to find and add a new class.

## **Classroom Assignment Changes**

From time to time the university must make changes to classroom locations. You may receive notification via e-mail that your classroom has been changed. In most cases, the University room scheduler has made the change. The instructor and the students enrolled are the only students notified. Please note that some room changes are only for specified dates. Please print the note for future reference. It is your responsibility to note when and where your class meets. If you have questions, contact your instructor.

## **BSW Program Withdrawal Policy**

A currently enrolled student who plans to withdraw from the Kent School must send a written request to withdraw from the school to the BSW Program Co-Directors. This letter can be sent via mail or e-mail. It is the student's responsibility to take care of all university business (i.e., financial aid, work study, library fees, parking, etc) prior to leaving the university. Be forewarned: Policies, procedures, and requirements are subject to change! It is your responsibility to ensure that you are aware of these procedures by visiting the university websites at <http://louisville.edu/kent> ; <http://ulink.louisville.edu>; or <http://louisville.edu>.

## **Leave of Absence**

When students are unable to maintain continuous enrollment, they may be granted a leave of absence. Students requesting a leave of absence are required to write a letter via mail or e-mail to the BSW Co-Directors indicating the reason for the absence and the anticipated date of return. Students who are on a leave of absence will be placed in an inactive status within the admissions office. All course work must be completed within a 7-year period from the student's matriculation. A leave of absence must conform to this requirement.

## **Return Policy**

The student is responsible for satisfying any outstanding obligations prior to contacting the BSW Co-Directors and requesting a return to the program. Please submit a letter to the BSW Co-Directors with the following information: 1) Name; 2) Student ID and/or Social Security Number; 3) Contact Information (i.e., phone number, cell number, e-mail address); 4) Brief description of the anticipated return date; 5) Reason you feel you are ready to return to the program; 6) If you have a plan of action, include your plan. The Co-Directors will review your credentials and respond with a plan of action.

## **Re-Enrollment**

Returning students who have not been enrolled for 2 years or less and have not enrolled into another institution must complete a re-enrollment form after permission is granted by the Co-Directors that they can continue their studies. Re-enrollment forms are located at the Registrar's website at: [http://louisville.edu/student/services/registrar/re\\_enroll\\_form.pdf](http://louisville.edu/student/services/registrar/re_enroll_form.pdf). Submit the completed form to the Registrar's Office in the Houchens Building on Belknap Campus. If a student has a break in enrollment of two or more calendar years, that student must apply for readmission, and if admitted, will be subject to catalog requirements in effect at the time of readmission.

## **Kent School's Severe Weather Policy**

Official announcements related to cancelled or delayed classes will be posted on the U of L website and announced via the local media. However, it is impossible for us to determine what the weather will be in all the regions our students commute from; therefore, a specific severe weather policy was adopted by Kent Faculty. The policy reads as follows:

If the weather or road conditions pose a serious hazard to your commute to class, use your own judgment as to whether or not you should make the trip. If you decide not to attend class, it is important that you inform your instructor of your decision and explain the situation as it pertains to your region. If the class is held (and you are absent due to your judgment to not travel to class), you are responsible for making up all assignments and collecting class notes/handouts. It is possible that if you have missed a significant in-class activity, the instructor may request you do a make-up activity to account for the exercises/experiences you missed in class. If the entire class is cancelled due to weather or road conditions, the instructor will decide how best to make up the material that was scheduled for that cancelled class. This could include an extra class session sometime during the semester, adding some time to subsequent class(es), use of Blackboard, etc.

## **Writing Guidelines (APA)**

Kent School requires student papers to conform to the APA (5th edition) writing style. Please visit the Kent school website for more information about APA writing style at <http://louisville.edu/kent/masters/writingreqs.htm>

Students are recommended to use or have access to the APA manual for those questions that go beyond the scope of writing pointers. Please note that quite a few of the writing recommendations listed at the Kent School APA website are outside the scope of the APA guide but are required aspects of writing scholarly documents at Kent School. The University's Writing Center located on the third floor in Ekstrom Library is available to assist students with writing papers. Please contact them at <http://coldfusion.louisville.edu/webs/a-s/writingcenter/>

## **Plagiarism**

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.

The code of Student Rights and Responsibilities defines plagiarism as follows: Representing the words or ideas of someone else as one's own in any academic exercise, such as: a) Submitting as one's own a paper written by another person or by a commercial "ghost writing" service; b) Exactly reproducing someone else's words without identifying the words with quotation marks or by appropriate indentation, or without properly citing the quotation in a footnote or reference; c) Paraphrasing or summarizing someone else's work without acknowledging the source with a footnote

or reference; d) Using facts, data, graphs, charts, or other information without acknowledging the source with a footnote or reference. Borrowed facts or information obtained in one's research or reading must be acknowledged unless they are "common knowledge." Clear examples of "common knowledge" include the names of leaders of prominent nations, basic scientific laws, and the meaning of fundamental concepts and principles in a discipline. The specific audience for which a paper is written may determine what can be viewed as "common knowledge": for example, the facts commonly known by a group of chemists will differ radically from those known by a more general audience. Students should check with their teachers regarding what can be viewed as "common knowledge" within a specific field or assignment, but often the student will have to make the final judgment. When in doubt, footnotes or references should be used.

The University's Writing Center located on the third floor in Ekstrom Library is available to assist students with plagiarism issues. Please contact them at <http://coldfusion.louisville.edu/webs/ass/writingcenter/>

## **Grading System**

Grade-point averages are calculated by dividing the quality points earned by the number of credit hours attempted with grade.

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

## **Other Grades:**

- "I" means incomplete and carries no quality points until a grade is awarded or until it becomes an "F."
- "W" means the student withdrew and carries no quality points.
- "S" and "U" mean Satisfactory and Unsatisfactory. These grades are used only for certain courses, and are not available by student option.
- "P" means enrolled on pass-fail basis and did passing work.
- "Au" means audit and does not enter into grade calculations.

## **Incomplete grades**

A grade of "I" (incomplete) may be awarded as a temporary or conditional grade when students are passing a course, but for reasons beyond their control have not been able to complete a relatively small amount of the course requirements by the end of the semester. Typically an incomplete grade is only given for course work that is not completed due to extenuating circumstances.

Students must apply via e-mail to their instructor for permission to take the grade of incomplete and copy the BSW Co-Directors for approval. Incompletes turn into F at the end of the following semester. Summer counts as a semester, therefore students with incompletes at the end of the Spring semester, must complete the work before the end of the summer semester to avoid an F on their transcript.

## **C, D and F Grades**

Grades of C's and D's are not recognized when students apply to continue their studies in the MSSW program. Although these grades can be accepted for completion of the BSW degree if the cumulative GPA remains above 2.5, they are not accepted for admission to the 30 hour MSSW program. Students may be requested to repeat these courses when they apply to the MSSW program.

Grades of F will result in an immediate academic review. The BSW Coordinator of Academic Affairs will schedule this review.

## **Course Evaluations**

At the end of each semester, students complete an anonymous online course evaluation for each of the classes in which they have been enrolled. One of the BSW Co-Directors sends a note to all students via e-mail 2 weeks before the end of the semester, reminding them to take part in the course evaluations. The link to the course evaluation survey will always be on the Kent School website at <http://louisville.edu/kent/>

Kent School takes the evaluations very seriously. Each instructor receives their score together with all the qualitative comments made about the class and the teaching style of the instructor after the close of the semester. These evaluations are used every year to revise the curriculum, change instructors where needed and overall to improve the quality of the education at Kent. It is important that students spend the time to provide constructive feedback to faculty at the end of each semester.

## **Academic Performance Policies**

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 Coordinator of Academic Affairs for planning and oversight. If 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 cumulative GPA remains below 2.5 for three consecutive semesters. Students must sit out at least one semester excluding summer when suspended. Student may apply to another unit. No student will be reinstated more than once with Kent School and no more than twice with U of L. A third suspension is an academic dismissal from UofL. A written petition is required for readmission, which is not guaranteed.

The Academic and Professional Standards Review Committee for the BSW program will consist of three BSW faculty members and chaired by the BSW Coordinator of Academic Affairs. This committee is intended to serve in a problem-solving capacity and is not devised to be adversarial. The function of such a committee will be to: (1) Review identified academic problems, including those from the field practicum, that cannot be resolved through informal channels with the parties involved; (2) Review concerns with student conduct that is contrary to the guidelines for professional conduct for social workers as specified in the Code of Ethics of the National Association of Social Workers; and (3) Recommend to the Dean's office a course of action that arrives from Committee deliberations with the student.

The BSW Coordinator of Academic Affairs will notify students via formal letters at the end of each semester if academic reviews are needed, based on their GPA. Students are then required to contact the coordinator, so that a formal review committee can be formed. 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 NASW Code of Ethics, or the Code of Students Rights and Responsibilities. Written referrals for review are sent to the Co-Directors of the BSW program, who forwards the request to the BSW Coordinator of Academic Affairs. The referral should indicate specific concerns.

## **Dean's List and Dean's Scholar**

1. To be named to the Dean's List, a student must complete at least 12 hours of graded, earned credit during the semester (excluding grades of I, X, or P) with a minimum University Grade Point Average of 3.5 in that semester. In the semester in which students take Practicum and earn a grade of P, 9 hours of graded, earned credit will be considered in determining Dean's List.
2. To be named a Dean's Scholar, a student must complete at least 12 hours of graded, earned credit

during the semester (excluding grades of I, X, or P) with a minimum University Grade Point Average of 4.0 in that semester. In the semester in which students take Practicum and earn a grade of P, 9 hours of graded, earned credit will be considered in determining Dean's Scholar.

3. Grades from developmental course work (course number below 100) or cooperative education will be excluded from the calculation. This policy does not affect graduation honors.

A student who meets the criteria of Dean's List or Dean's Scholar will be awarded the appropriate honor through ordinary clerical procedures in the Office of the Dean

## **Academic Bankruptcy**

Academic bankruptcy allows students who are returning to college after remaining out for an extended period to void one or more consecutive semesters of previous University of Louisville coursework. If the student meets the following criteria and if the Kent School BSW Admissions Committee believes there are extenuating circumstances which warrant such action, the committee may rule the student eligible to declare academic bankruptcy. To be eligible to apply for academic bankruptcy the student:

- Must not have attended any college or university during a period of 2 calendar years immediately preceding this readmission; AND
- Must state in writing the intention to declare academic bankruptcy, specifically designating the term or consecutive sequence of terms to which the bankruptcy process is to apply; AND
- Must be admitted to the Kent School BSW Program, either routinely or by action of the Admissions Committee.

The student must earn at least a 2.50 quality point standing in all degree applicable courses while attempting the first 12 hours after readmission. (All courses taken during the term in which the 12-hour minimum is earned will be considered in determining eligibility for bankruptcy.) After these 12 hours have been attempted, the student must petition the Admissions Committee for academic bankruptcy, designating the term or consecutive sequence of terms to which the bankruptcy process it to apply.

The voided grades and credit hours will not be considered for degree requirements or quality-point computations but will remain on the student's transcript. Academic actions such as probation or dismissal, recorded at the end of the voided terms, will also remain.

- No student may declare academic bankruptcy more than once.
- Bankruptcy semesters will not apply toward enrollment semesters when determining catalog year.
- No person using these bankruptcy procedures shall be eligible to participate in any intercollegiate competition until the specified grades and courses have been declared voi

## **Redundancy Policy**

A student may petition the BSW Program Directors for course credit based on the belief that course material has been mastered. This should take place well before the start of the semester to ensure placement in proper course. Once the semester has begun, there are no reviews of petitions for courses concurrent with that semester.

The student will be referred to the instructor of the specific course in question and must present syllabi from any previous course that corresponds to the Kent School course for which the student seeks credit. The student must also present copies of all written assignments and examinations from that previous coursework (no exceptions). The course for which the student seeks credit could have conceivably been content mastered in several courses and, in such cases, all syllabi and corresponding assignments and exams must be presented. Students who are unable to produce the required information will not be eligible for course reduction consideration.

After review of this material by the instructor of the specific course in question, s/he will require the student to complete sequence specific assignments (e.g. papers, exams or other written work). Then the instructor of the specific course in question will grade the submitted work for content mastery. If the instructor feels the students have achieved a grade of a B or better on the completed work, then they will forward a recommendation about the level of mastery to the BSW

Program Co-Directors who will notify the student of action taken.

Possible action related to student petition:

- Student has demonstrated an acceptable level of mastery of the course content expected in the Kent School course about which the student has petitioned, and the student is granted placement out of the course and receive course credit.
- Student has demonstrated insufficiency of mastery and is required to enroll in the course about which the student has petitioned.
- Student has demonstrated mastery of some of the course content, but not sufficiently enough to be awarded placement out of the course. In these cases, 1 of the following actions may be taken, based on the preference of the student. For either action, the student must register for credit in the course in question:

- Student may elect to enroll fully in the course with other students.

- Student may work out a system of independent study with the teacher of record to correspond with the content deficiency as established by the instructor of the specific course in question. This may entail partial engagement in the actual class, supplemented with related assignments and exams, or it may be done totally independently based on assignments and exams provided by the instructor.

In all cases here, the faculty, in concert with the instructor of the specific course in question and BSW Program Co-Directors, will develop a learning contract which will be signed by the student and the faculty of record.

## **Student Conduct in the Kent School**

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 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.

Code of Student Conduct at U of L

The Code of Student Conduct is the University's policy regarding non-academic discipline of students. The Code is set forth in writing in order to give students general notice of non-academic prohibited conduct. The primary purpose for the imposition of non-academic discipline in the University setting is to protect and preserve a quality educational environment in the campus community. The University is not designed or equipped to rehabilitate students who do not abide by the Code. It may be necessary to remove those students from the campus and to sever the institutional relationship with them, as provided in the Code. The University is concerned with the rights of individuals as well as the general welfare of the University community. The Code of Student Conduct provides the rules, regulations, and procedures for acceptable standards of behavior and for due process. The Code should be read broadly and is not designed to define non-academic misconduct in exhaustive terms.

For further information about the Code of Student Conduct, please contact the Office of Campus Life, W302 Student Activities Center, (502) 852-5787.

<http://campuslife.louisville.edu/policies/studentconduct.html>

## **Dismissed Students**

If the Academic and Professional Standards Review Committee decides 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 Co-Directors, stating their reasons why they think they can return to Kent School to complete their studies.

## **Academic Grievances**

A uniform student grievance procedure is contained in The Redbook, (Chapter 6, Article 6.8) the official document for the governance of the University.

<http://louisville.edu/provost/redbook/chap6.html#ART6.8>

## **Nonacademic Grievances**

Students enrolled in the University of Louisville are governed by the nonacademic grievance procedures administered by the Office of the Vice-President for Student Affairs. Guidelines are set out in the Redbook, Chapter 6, Article 6.7. <http://louisville.edu/provost/redbook/chap6.html#ART6.8>

## **Application for BSW Degree**

During the first month of your final semester of courses, students should complete an online Application for Degree. Applications are available online at the ULINK Website <http://ulink.louisville.edu>. Log on using your user id and password; click on the student services folder; scroll over to the Registration/Student Records section; click on the Degree application and complete the form (remember to print the degree confirmation for your records). The degree application fee for the Kent School is \$25.00 (do not send payment until you are billed at the end of the semester in which you graduate). Certificates are \$15.00. A candidate whose degree is cancelled at the end of the semester indicated on this form must reapply at a later date. If a candidate does not receive the degree, the charge will be adjusted to \$10.00. In order to participate in graduation ceremonies you will need to sign up online and submit your cap and gown order. To use the Commencement web site, go to the U of L home page and click on Current Students then on Commencement. Or enter <http://louisville.edu/commencement> You must indicate your intent to participate and submit your cap and gown order before the deadline stated on the web site. During the commencement ceremonies, you will receive a generic letter stating that you have met the requirements of the BSW degree. This letter is an official letter that can be given to your employer, for possible employment benefits. Students not attending commencement will NOT receive such a letter. Your official degree will take up to six weeks to show on your transcript. 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. Please plan your licensure exam or employment date to accommodate this six week delay after commencement to get an official transcript showing your degree. Please visit the commencement webpage on a regular basis for any updated information on when your official diploma will be available.

## **Social Work Licensure Boards**

The following information is provided for those who wish to obtain licensure after graduation. The web sites will give you full information about the laws and regulations for licensure, the exam dates, application forms, exams for BSW/basic and MSW/intermediate or advanced generalist and MSW/clinical, etc.

### **Kentucky Board of Social Work Examiners**

<http://finance.ky.gov/ourcabinet/caboff/OAS/op/socwkbd/> Contact Board Administrator Nina Anglin at [Nina.Anglin@ky.gov](mailto:Nina.Anglin@ky.gov) or at 502-564-3296 ext. 230 FAX 502-696-8030

P.O. Box 1360; Frankfort, KY 40602. Board meets: third Monday of each month.

Kentucky Board of Certification for Alcohol and Drug Counselors

<http://finance.ky.gov/ourcabinet/caboff/OAS/op/adcb/> Board Administrator: Judy Jennings at [judy.jennings@ky.gov](mailto:judy.jennings@ky.gov) or at 502-564-3296 ext. 226

Board meets: first Tuesday of the month.

### **Kentucky Board of Certification of Marriage and Family Therapists**

<http://finance.ky.gov/ourcabinet/caboff/OAS/op/marrfamth/> Board Administrator: Carolyn Kyler at Carolyn.Kyler@ky.gov or at 502-564-3296 ext. 239

Board meets: third Thursday of each month.

Another link to assist in preparing for the LMFT exam: <http://www.mftlicense.com/>

**Indiana Social Worker, Marriage and Family Therapist and Mental Health Counselors Board**

<http://www.in.gov/pla/bandc/mhcb/> 402 West Washington Street, Room W006; Indianapolis, IN 46204; 317-234-2064; Email: [hpb5@hpb.IN.gov](mailto:hpb5@hpb.IN.gov)

**Ohio Counselor, Social Worker, and Marriage and Family Therapist Board**

<http://www.cswmft.ohio.gov> 77 South High Street, 16th Floor, Columbus, OH 43215-6108 614-466-0912.

**Association of Social Work Boards**

To locate information about the laws and licensure exam and application for any state within the United States, please go to: [http://www.aswb.org/lic\\_req.shtml](http://www.aswb.org/lic_req.shtml) Social Work Examination Services; 132 Naples Road Brookline, MA 02446, 800-933-8802, <http://www.swes.net> , email: [info@swes.net](mailto:info@swes.net)

**Kent School Alumni Association**

The Kent School Alumni Association, a very active organization of over 2,800 members world-wide, assists the School by recruiting outstanding students, providing scholarships, raising funds for the School, and promoting the values of the program. Visit their website at: <http://louisville.edu/kent/alumni.html>

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# Other Programs and Information

## Master of Science In Social Work (MSSW)

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. The Master of Science in Social Work program is accredited by the Council on Social Work Education. The Master of Science in Social Work with specialization in Marriage and Family Therapy as well as the Post-Masters Certification program in Marriage and Family Therapy is accredited by the Commission on Accreditation for Marriage and Family Education.

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.

Our basic MSSW curriculum allows you to get licensure from the Kentucky Licensure Board as a certified social worker (CSW), after taking the required licensure exam. After approximately 2 years of supervision, students can qualify to take the licensed clinical social workers exam (LCSW). If students prefer they can choose specific specializations or dual degree to enrich their experience.

Students who are admitted and do not have a Council on Social Work Education accredited Bachelor of Social Work degree enter the 60-hour REGULAR PROGRAM. This program can be completed in different ways of which the shortest period is 2 years and the longest period is 4 years.

Students holding a CSWE accredited Bachelor of Social Work degree with a cumulative grade point average of 3.00 who have demonstrated good academic performance in their social work courses may be enrolled in the 30-hour ADVANCED STANDING Program. This program equates to completing the 30-hour advanced portion of the 60-hour program. No academic credit is given for life or work experience. Advanced Standing is limited to applicants who have earned BSW degrees within the last 5 years, at the time of enrollment in the Kent School. This program can be completed in different ways of which the shortest period is 1 year and the longest period is 2 years.

## **Ph.D in Social Work**

Kent's Ph.D. in Social Work prepares Social Workers with MSWs for academic positions in CSWE accredited Schools of Social Work nationwide, or for top level policy, planning, and analytic positions in both public and private sectors. While the MSW (or MSSW) is the terminal practice degree, the Ph.D. is the terminal research degree in Social Work, the highest academic degree in Social Work and other professions. Those interested in learning more about Kent's doctoral program should contact Ruth Huber, Ph.D., 502-852-0435 or [ruth.huber@louisville.edu](mailto:ruth.huber@louisville.edu) or browse the doctoral program website at: <http://louisville.edu/kent/doctoral/>

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## University of Louisville Campus Maps

**The University of Louisville** is a state supported research university located in Kentucky's largest metropolitan area. It was a municipally supported public institution for many decades prior to joining the university system in 1970.

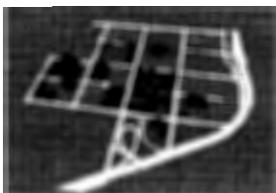
**The University has three campuses:**

1. The 274-acre Belknap Campus is three miles south from downtown Louisville and houses seven of the university's 11 colleges and schools.
2. The Health Science Center is situated in downtown Louisville's medical complex and houses the university's health related programs and the University of Louisville Hospital.
3. The 243-acre Shelby Campus located in eastern Jefferson County which houses the National Crime Prevention Institute and the Information Technology Resource Center.

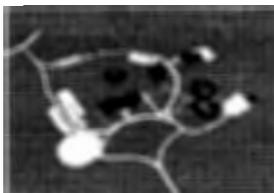
Click on a 3D Map to Tour that Campus:



[Tour the Belknap Campus](#)



[Tour the Health Science Center](#)



[Tour the Shelby Campus](#)



## University of Louisville Campus Maps

**University of Louisville - Belknap Campus:**  
 (Click on a building to see that building's attributes)



Building Number	Building Name (Click on a building to see that building's attributes)
15	ADMINISTRATIVE ANNEX
98	ARCHIVES/SURPLUS BUILDING
100	ARCH SURVEY/TRANSPORTATION BUILDING
85	BAPTIST STUDENT CENTER
111	BASS-RUDD TENNIS CENTER
75	BELKNAP PARKING GARAGE
4	BELKNAP RESEARCH BLDG.
94	BETTIE JOHNSON HALL
46	BILLY MINARDI HALL
17	BINGHAM HUMANITIES B
2	BRIGMAN HALL
41	BRODSCHI HALL
076A	CARDINAL SPORTPLEX
36	CHEMISTRY BUILDING
039N	CHI OMEGA SORORITY HOUSE
90	COLLEGE OF BUSINESS
84	COLLEGE OF EDUCATION

39	COMMUNITY PARK
26	CRAWFORD GYMNASIUM
87	DAVIDSON HALL
039T	DELTA ZETA SORORITY
79	DEVELOPMENT & UNIVERSITY RELATIONS BLDG.
29	DOUGHERTY HALL
107A	EHS SERVICE CENTER
9	EKSTROM LIBRARY
37	ENGINEERING GRAPHICS
107	ENVIRONMENTAL HEALTH & SAFETY BUILDING
33	ERNST HALL
7	FORD HALL
049A	FRATERNITY A
049C	FRATERNITY BLDG C
8	GARDINER HALL
40	GHEENS SCIENCE HALL
10	GOTTSCHALK HALL
1	GRAWEMEYER HALL
82	HEALTH AND COUNSELING BUILDING
99	HENRY VOGT BUILDING
049B	HONORS DORM (B)
025A	HONORS PROGRAM BUILDING
81	HOUCHENS BUILDING
103	HUGHES CARPET SHOP
101	HUGHES GROUND SHOP
104	HUGHES HYDRO-TECH BUILDING
102	HUGHES OFFICE BUILDING
001A	INFORMATION CENTER NORTH
001B	INFORMATION CENTER SOUTH
86	INTERFAITH CENTER
30	J.B. SPEED HALL
47	JOHNNY UNITAS TOWER
6	JOUETT HALL
039S	KAPPA DELTA SORORITY
28	KERSEY LIBRARY
92	KURZ HALL
039W	LAMBDA CHI ALPHA
18	LIFE SCIENCES BUILDING
45	LOUISVILLE HALL
13	MCCANDLESS HALL
38	MILLER HALL
21	MILLER INFORMATION TECHNOLOGY CENTER
039G	MINORITY AFFAIRS
34	NATURAL SCIENCES BLDG.
5	OPPENHEIMER HALL
108	PAPA JOHN'S CARDINAL STADIUM

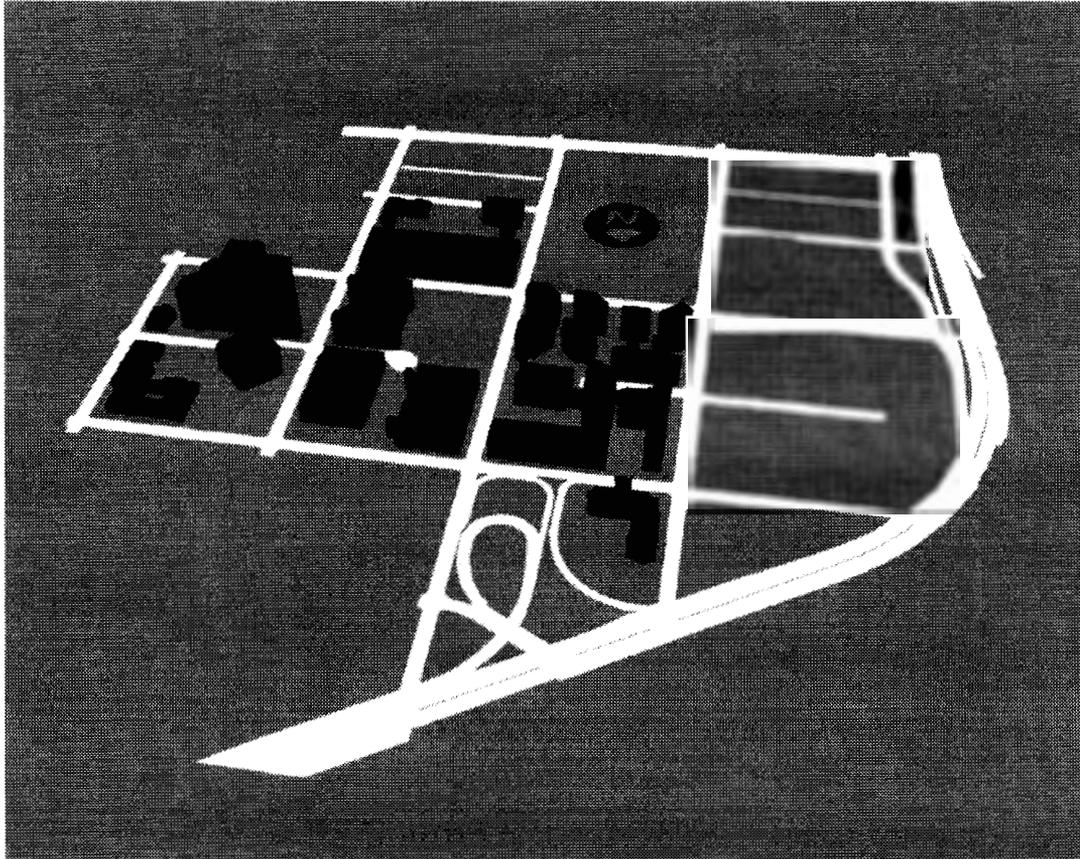
35	PARKWAY FIELDHOUSE
113	PATTERSON BASEBALL STADIUM
3	PATTERSON HALL
23	PAUL C. LUTZ HALL
106	PERSONNEL/PAYROLL BUILDING
039Q	PI BETA PHI HOUSE
039I	RED BARN
42	REYNOLDS BUILDING
44	ROBBINS HALL
31	SACKETT HALL
20	SCHNEIDER HALL
83	SCHOOL OF MUSIC
080A	SERVICE COMPLEX
039R	SIGMA PHI EPSILON
076B	SOCCER FIELD/STADIUM
76	SOFTBALL ULMER FIELD
036A	SOLVENT STORAGE
109	STADIUM FACILITIES
70	STEAM & CHILLED WATER PLANT
27	STEVENSON HALL
88	STRICKLER HALL
71	STUDIO ARTS/HPER
16	SWAIN STUDENT ACTIVITIES CENTER
11	THE PLAYHOUSE
24	THRELKELD HALL
109A	TRAGER CENTER
039O	TRIANGLE FRATERNITY
22	UNIVERSITY CLUB BLDG
48	UNIVERSITY TOWER APARTMENTS
89	UPDC-UNIVERSITY PLANNING, DESIGN & CONSTRUCTION
43	URBAN RESEARCH INSTITUTE
32	W.S. SPEED HALL
19	WILSON WYATT HALL
12	WRIGHT NATATORIUM

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## University of Louisville Campus Maps

**University of Louisville - Health Science Center Campus:**  
 (Click on a building to see that building's attributes)



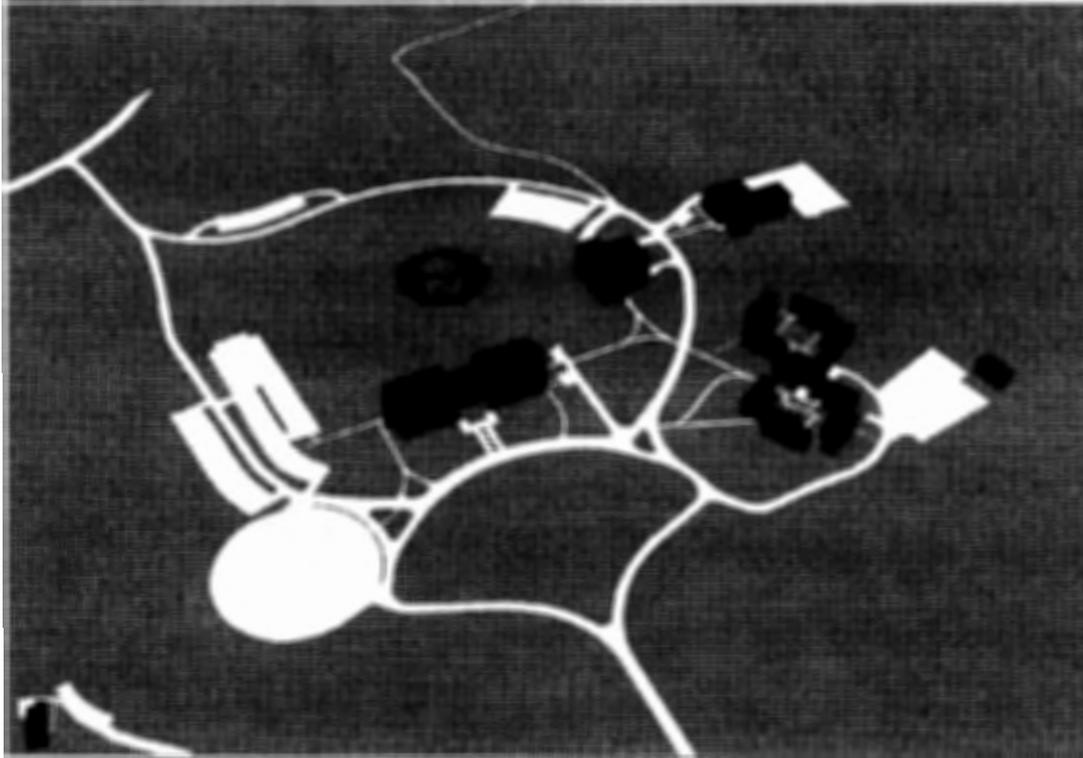
Building Number	Building Name (Click on a building to see that building's attributes)
059C	ABELL ADMINISTRATION CENTER
050A	AMBULATORY CARE BLDG
058B	ARTHUR KEENEY HOUSE
050R	BROWN CANCER CENTER
59	CARMICHAEL BUILDING
054E	CHESTNUT STREET GARAGE
050C	CONCENTRATED CARE
055F	DELIA BAXTER RESEARCH BUILDING
055E	DONALD E. BAXTER RESEARCH BUILDING
055B	HEALTH SCIENCES BLDG
059P	HOME OF THE INNOCENTS
059A	HSC ANNEX
050I	INSTITUTIONAL SERVICE
059B	K-WING BUILDING

059R	KIDNEY DISEASE PROGRAM
055D	KORNHAUSER LIBRARY & COMMONS
059D	KOSAIR PEDIATRIC CENTER
56	KY LIONS EYE RESEARCH
52	MEDICAL-DENTAL APTS.
51	MEDICAL-DENTAL RESEARCH BUILDING
58	MYERS HALL
57	RESEARCH RESOURCES CENTER
055C	SCHOOL OF DENTISTRY
055A	SCHOOL OF MEDICINE

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## University of Louisville Campus Maps

**University of Louisville - Shelby Campus:**  
(Click on a building to see that building's attributes)



Building Number	Building Name (Click on a building to see that building's attributes)
60	BURHANS HALL
061X	CENTRAL HOUSE
062A	DORMITORY A
062B	DORMITORY B
062C	DORMITORY C
062D	DORMITORY D
061E	DORMITORY E
061F	DORMITORY F
061G	DORMITORY G
63	FOUNDERS UNION BLDG
66	GROUNDS SHOP
64	JUNIOR ACHIEVEMENT
061H	SEMINAR CENTER
67	TELECOMMUNICATIONS RESEARCH CENTER

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# **J.B. Speed School of Engineering**

**General Information**

**Admission Requirements**

**Degree Requirements**

**Policies**

**Faculty and Department Information**





# General Information

Introduction

Engineering Profession

History of Speed School

Mission of Speed School

Engineering Programs at Speed School

Structure of Speed School Programs

Accreditation





# Engineering Profession

A formal definition of engineering was approved in 1979 by the Engineers Council for Professional Development, now known as ABET, Inc., 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 in 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.”*

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## Related content

- Structure of Speed School Programs
- History of Speed School
- Mission of Speed School
- Engineering Programs at Speed School
- Accreditation



# History of Speed School

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 Brigman 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.

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 1970's the school had also added degree programs in computer and industrial engineering. The newest addition to the Speed campus is the Belknap 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 referred to just as Speed School by those familiar with the school. The following faculty have served as Deans of the School of Engineering:

## **Speed School Deans Years Served**

Bennett M. Brigman	1925-1938
Ford L. Willkinson	1938-1947
Robert C. Ernst	1947-1969
Harry C. Saxe	1969-1980
Earl R. Gerhard	1980-1990
Leo B. Jenkins (Acting)	1990-1991

Thomas R. Hanley     1991-2003  
Mickey R. Wilhelm    2003- Present

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### Related content

- Structure of Speed School Programs
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# Mission of Speed School

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.

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## Related content

- [Engineering Programs at Speed School](#)
- [Structure of Speed School Programs](#)
- [Accreditation](#)
- [Engineering Profession](#)
- [History of Speed School](#)



# Engineering Programs at Speed School

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:

- Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering and Computer Science
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

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 (M.Eng.) degree if the professional practice of engineering is a career objective. According to the requirements of the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors, a student of the J.B. Speed School of Engineering who has completed 105 semester hours in an engineering curriculum is eligible to sit for the Fundamentals of Engineering examination as part of the requirements for registration as a Professional Engineer in Kentucky. The five year M.Eng. program is the accredited engineering program at the University of Louisville and includes one year of graduate study beyond the four years of undergraduate studies.

Students who come to the J.B. Speed School of Engineering with a Bachelor of Science degree from another accredited program enter into a one year Master of Science 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. Those who are interested in advanced engineering research or in engineering education, may also pursue the Doctor of Philosophy degree. The Master of Science and Doctor of Philosophy degrees are available in all areas of specialization except for bioengineering (a new program which will soon be offering these graduate degrees). Information about these degrees and other advanced degrees awarded by the University of Louisville may be obtained from the Graduate Catalog.

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.

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## Related content

- Accreditation
- Structure of Speed School Programs
- Engineering Profession
- History of Speed School
- Mission of Speed School

# Structure of Speed School Programs

The engineering programs are structured such that students will complete a program consisting of two semesters in Engineering Fundamentals, nine or 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. 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 (M.Eng.) degree. The M.Eng. program is accredited by the Engineering Accreditation Commission of ABET, Inc.

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## Related content

- [Engineering Profession](#)
- [History of Speed School](#)
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# Accreditation

The agency responsible for the accreditation of educational programs leading to degrees in engineering is the Engineering Accreditation Commission (EAC) of ABET, Inc., originally known as the Accreditation Board for Engineering and Technology. 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 outcomes:

- a. an ability to apply knowledge of mathematics, science, and engineering
- b. an ability to design and conduct experiments, as well as to analyze and interpret data
- c. 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
- d. an ability to function on multidisciplinary teams
- e. an ability to identify, formulate, and solve engineering problems
- f. an understanding of professional and ethical responsibility
- g. an ability to communicate effectively
- h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i. a recognition of the need for, and an ability to engage in life-long learning
- j. a knowledge of contemporary issues
- k. 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 ABET, Inc.

ABET, Inc. 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% 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 (masters) 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.

Speed School programs are accredited at the advanced level. The accredited programs are the five-year Master of Engineering (M.Eng.) programs in Chemical Engineering, Civil Engineering, Computer Engineering and Computer Science, Electrical Engineering, Industrial Engineering, and Mechanical Engineering. The Bioengineering M.Eng. is expected to be accredited after the first graduates are assessed (accreditation cannot occur until a program has graduates).

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#### Related content

- Engineering Profession
- History of Speed School
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- Engineering Programs at Speed School



# Admission Requirements

Level:

Application Process

Freshman Admission Requirements

Transfer Student Admission Requirements

Admission Status

Readmission

Non-degree Students





# Application Process

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 at <http://admissions.louisville.edu/app/>.

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.

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## Related content

- Freshman Admission Requirements
- Transfer Student Admission Requirements
- Admission Status
- Readmission
- Non-degree Students



# Freshman Admission Requirements

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. For unconditional admission, 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:

- English: 4 years
- Algebra: 2 years
- Geometry: 1 year
- Calculus or pre-calculus: 1 year
- Chemistry: 1 year
- Physics: 1 year

## Grade Point Average Requirements

A cumulative high school grade point average of at least 3.00 on a 4.00 scale ("B" average).

## ACT/SAT Test Score Requirements

ACT composite, mathematics, and science scores of at least 24; or SAT composite score (critical reading and mathematics) of 1090 and mathematics score of 560.

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## Related content

- [Application Process](#)
  - [Transfer Student Admission Requirements](#)
  - [Admission Status](#)
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- 



# Transfer Student Admission Requirements

Students with fewer than 24 transferable semester hours are considered in a similar fashion as freshman students and must meet the admissions requirements for new freshmen and have a 2.5 college grade point average. Students with 24 hours or more transferable semester hours must have a 2.5 college grade point average and no deficiencies in mathematics or science.

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## Related content

- [Application Process](#)
- [Freshman Admission Requirements](#)
- [Admission Status](#)
- [Readmission](#)
- [Non-degree Students](#)



# 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 either admitted to Speed School on “Limited Load” status or to the School of Arts and Sciences in a pre-engineering curriculum.

## Good Standing

Freshman students (and transfer students with less than 24 hours) who satisfy all requirements will be granted unconditional admission into the Department of Engineering Fundamental with a “Good Standing” status. After one year in Engineering Fundamentals (31 credit hours), qualified students will be accepted into their major department. Transfer students who have completed all courses required by Engineering Fundamentals will be admitted directly into their major department.

## Limited Load

Applicants who have completed high school curriculum requirements, but whose high school cumulative grade point average is between 2.8 and 3.0, or whose ACT composite, mathematics, or science scores are 22 or 23 (SAT composite between 1020 and 1090 or mathematics score between 530 and 560), will be admitted to the Department of Engineering Fundamentals on “Limited Load” status. Transfer students who do not satisfy all requirements will also be admitted on “Limited Load” status. This restricts student load to 14 hours for fall/spring semesters and 10 hours for summer. Students will be removed from limited load after the first semester if they achieve a 2.5 grade point average (with at least 12 hours) or once they have a 2.0 in at least 24 hours.

## 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 C grades and have a cumulative grade point average above 2.25 can complete an intra-university transfer to Speed School.

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## Related content

- [Application Process](#)
- [Freshman Admission Requirements](#)
- [Transfer Student Admission Requirements](#)
- [Readmission](#)
- [Non-degree Students](#)



# 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.

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## Related content

- [Application Process](#)
- [Freshman Admission Requirements](#)
- [Transfer Student Admission Requirements](#)
- [Admission Status](#)
- [Non-degree Students](#)



# 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 may enroll in classes for which they have completed the prerequisites or by faculty permission. The credits earned by non-degree students typically will not apply towards program requirements if a student later becomes a degree seeking student.

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## Related content

- [Application Process](#)
- [Freshman Admission Requirements](#)
- [Transfer Student Admission Requirements](#)
- [Admission Status](#)
- [Readmission](#)





# Degree Requirements

Engineering Fundamentals

Departmental Studies

Graduate Studies

MEng-MBA Program





# Engineering Fundamentals

Speed School students must complete 31 hours of specified courses while in the Department of Engineering Fundamentals. These 31 hours include 25 hours common to all departments: ENGR 100, ENGR 101, ENGR 102, ENGR 150, ENGL 101, ENGL 102, CHEM 201, PHYS 298, and six (6) hours specified by the department. The departmental core courses are indicated below for each department.

<b>Courses</b>	<b>Hours</b>
Speed School Core	
ENGR 100, 101, 102, 150	12
ENGL 101, 102	6
CHEM 201	3
PHYS 298	4
Departmental Core	
BE CHEM 202, 207, 208, 209	
CECS CECS 130, 230	
CEE CHEM 207, PHYS 295, 299	
CHE CHEM 202, 207, 208, 209	6
ECE PHYS 295, 296, 299	
IE CECS 121, CHEM 202, 207, PHYS 295	
ME ME 180, CHEM 202, PHYS 295	
<b>Total</b>	<b>31</b>

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## Related content

- Departmental Studies
- Graduate Studies
- MEng-MBA Program



# Departmental Studies

## Admission Requirements to Departmental Studies

A formal application for acceptance to Departmental Studies should be made during the semester in which the student will complete the 31 hours of core courses in Engineering Fundamentals. The application form, which indicates the student's choice of specialization, is available from the Engineering Fundamentals Advising Office and should be returned to the office. Students are notified after semester grades are posted and qualifications are checked.

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 2.0 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 2.0.

## Bachelor of Science Requirements

Requirements for the Bachelor of Science (B.S.) engineering degree will be based upon the course requirements that are in effect at the time of admission or transfer to the School of Engineering.

Students may elect to follow the most recent degree program requirements established subsequent to their initial entry into the School of Engineering. If a student has been readmitted, the degree requirements in effect at the most recent time of admission will apply. Current degree requirements are:

- Successful completion of General Education Requirements
- Successful completion of required courses and total credit hours for degree program
- Grade point average above 2.0
- Completion of at least 30 of the last 36 hours in residence
- Submission of degree application form

## General Education Requirements

All students at the University of Louisville must complete General Education requirements as part of their degree requirements. The degree programs in Speed School are structured such that the requirements are satisfied by:

- Written Communication: ENGL 101, ENGL 102 (ENGL 105 satisfies written communication requirements, but another course is required to satisfy credit hour requirements)
- Oral Communication: COMM 111 or COMM 112 or COMM 115
- Mathematics: EAC 101
- Natural Sciences: CHEM 201, PHYS 298, and either CHEM 207 or PHYS 295
- Arts & Humanities: 3 hrs Arts course and 3 hrs Humanities course from list of approved courses at <http://louisville.edu/provost/GER/> (course must be on approved list for period in which course is taken)
- Social & Behavioral Sciences: HIST 101 or 102 or 105 or 106 and 6 hrs from two other disciplines on approved list
- Cultural Diversity: 6 hrs of courses; Arts & Humanities electives and Social & Behavioral Sciences electives can be chosen such that they also satisfy cultural diversity requirements

## Degree Program Requirements

The minimum semester hour requirements for the Bachelor of Science degree are 132-138 semester hours completed in Engineering Fundamentals and Departmental Studies. This total includes two semester hours of credit for each of the three required periods of cooperative education experience completed successfully. The required courses, total semester-hour credit requirements, and recommended electives of each of the areas of specialization are listed in the Degree Program section of this Catalog. Highly-motivated students may be able to complete the Bachelor of Science degree by the end of the spring semester of the fourth year. The number of semester hours required for each degree are:

- Bachelor of Science in Bioengineering..... 136
- Bachelor of Science in Chemical Engineering..... 138
- Bachelor of Science in Civil Engineering..... 135
- Bachelor of Science in Computer Engineering and Computer Science..... 132
- Bachelor of Science in Electrical Engineering..... 136
- Bachelor of Science in Industrial Engineering..... 132
- Bachelor of Science in Mechanical Engineering..... 133

If a specific course is no longer offered by the department, approval for a substitute course should be obtained from the department chair before the course is taken – the specified number of credit hours must be completed.

## Grade Point Average

Candidates for the Bachelor of Science degree must have a minimum final cumulative grade point average of 2.0.

## Residence Requirements

Students must complete at least 30 of the last 36 semester hours in residence at the University of Louisville.

## Degree Applicants

At the beginning of the semester in which the student expects to receive a degree, an online degree application must be completed at <http://ulink.louisville.edu>. Students who complete a degree application may participate in commencement by ordering apparel at <http://louisville.edu/commencement/>. A degree application must be completed even if a student does not plan on participating in the commencement ceremony. A new application must be completed if the student fails to complete degree requirements.

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## Related content

- Engineering Fundamentals
- Graduate Studies
- MEng-MBA Program

# Graduate Studies

## Admission Requirements to Graduate Studies

Students desiring to pursue the Master of Engineering degree must formally apply for admission to Graduate Studies in the School of Engineering. The application form is available from the Speed School Office of Academic Affairs and should be returned to the same office. The application should be submitted prior to completion of undergraduate Departmental Studies, typically at the time of the degree application for Bachelor of Science. Application may also be made prior to this time if an undergraduate student wishes to take courses which would apply towards their graduate degree. A maximum of six hours of graduate level courses taken as an undergraduate may be used to satisfy Master of Engineering degree requirements. A student admitted to Graduate Studies is considered a graduate student and pays graduate tuition for all courses.

Requirements for admission or readmission to Graduate Studies are:

- Completion of a program of studies equivalent to that obtained through Engineering Fundamentals and Departmental Studies for the field of specialization in which the student desires to receive the Master of Engineering degree
- Recommendation by the faculty and chair of the student's department for admission or readmission to Graduate Studies
- Cumulative baccalaureate grade point average of 2.50 for all prior academic course work completed in the program. However, those students with cumulative baccalaureate grade-point averages from 2.25 to 2.50 may be admitted upon petition and approval of the chair and faculty of that department, other than Electrical Engineering or Civil and Environmental Engineering (which have no provision for petitions).

A student becomes a candidate for the Master of Engineering degree upon admission to Graduate Studies and initial registration as a graduate student. A candidate for the Master of Engineering degree who does not register for credit hours must maintain active registration by paying a fee each semester for M.Eng. residency until the degree is awarded, i.e. the candidate must maintain continuous registration in Graduate Studies. Failure to pay the M.Eng. residency fee will be cause to cancel a student's candidacy. In order to be restored to candidacy, the student must have the recommendation of the department chair, receive the approval of the Associate Dean and pay the fee for each of the semesters during which the candidacy was void.

Students admitted to Graduate Studies may then pursue a program leading to the Master of Engineering (M.Eng.) degree. While enrolled Graduate Studies, each student must maintain a 2.50 cumulative grade-point average for all academic course work attempted in the Division of Higher Studies. Failure to maintain the required grade point average is cause to cancel a student's candidacy.

## Requirements for the Master of Engineering Degree

Requirements for the Master of Engineering (M.Eng.) degree will be based upon the course requirements that are in effect at the time of admission to Graduate Studies. Students may elect to follow the most recent degree program requirements established subsequent to their initial entry into

Graduate Studies. If a student has been readmitted, the degree requirements in effect at the most recent time of admission will apply. Current degree requirements are:

- Successful completion of required courses and total credit hours for degree program within six years after admission to Graduate Studies
- Grade point average above 2.5
- 12 semester hours (excluding thesis) completed at the 600-level
- Submission of degree application form

### Degree Program Requirements

The minimum semester hour requirements for the Master of Engineering degree are 30-33 semester hours completed in Graduate Studies. This total includes 6-8 semester hours of credit for a comprehensive individual study, design, or investigation, under the direction of a Speed School of Engineering faculty member, resulting in a written thesis. The thesis must be defended orally and submitted in written form to the faculty for approval. The faculty in all departments have approved an alternative curriculum that permits students to graduate without preparing a thesis. Electives must be chosen so that the accreditation criteria established by EAC/ABET, Inc. are satisfied. Detailed information on program requirements, total semester hours, and alternative curricula are available in the Degree Program section of this Catalog.

The total requirements for the Master of Engineering degree must be completed within six years after admission into Graduate Studies. The time limit imposed by the rule may be extended in individual cases upon recommendation of the department chair and approval of the Associate Dean. Earned graduate credit may be transferred from institutions that offer advanced degrees. The maximum number of semester hours transferable to Graduate Studies is six. The number of semester hours required for each degree are:

- Master of Engineering in Bioengineering..... 169
- Master of Engineering in Chemical Engineering..... 169
- Master of Engineering in Civil Engineering..... 165
- Master of Engineering in Computer Engineering and Computer Science..... 163
- Master of Engineering in Electrical Engineering..... 168
- Master of Engineering in Industrial Engineering..... 162
- Master of Engineering in Mechanical Engineering..... 163

If a specific course is no longer offered by the department, approval for a substitute course should be obtained from the department chair before the course is taken – the specified number of credit hours must be completed.

### Grade Point Average

Graduates must have a minimum final cumulative grade-point average of 2.50 for all academic course work attempted in Graduate Studies.

### 600-level courses

The requirements of the Kentucky Council on Postsecondary Education specify that a minimum of 12 semester hours (excluding thesis credit) must be completed in courses at the 600-level or above for the Master of Engineering degree.

### Degree Applicants

At the beginning of the semester in which the student expects to receive a degree, an online degree application must be completed at <http://ulink.louisville.edu>. Students who complete a degree application may participate in commencement by ordering apparel at <http://louisville.edu/commencement/>. A degree application must be completed even if a student does

not plan on participating in the commencement ceremony. A new application must be completed if the student fails to complete degree requirements.

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### Related content

- **Engineering Fundamentals**
- **Departmental Studies**
- **MEng-MBA Program**



# MEng-MBA Program

A simultaneous Master of Business Administration (MBA) program, offered in conjunction with the College of Business and Public Administration, provides students an option to begin studies in the MBA program while enrolled in the Master of Engineering (M.Eng.) program. Some advantages of this program are early MBA admission, streamlined MBA prerequisites, and 6 of the 36 MBA semester credit hours satisfied by M.Eng. courses. The MBA is nationally-accredited by the AACSB. Information on the joint M.Eng./MBA program can be found at <http://business.louisville.edu/>.

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## Related content

- Engineering Fundamentals
- Departmental Studies
- Graduate Studies





# Policies

**Academic Actions**

**Academic Credit**

**Advising and Registration**

**Catalog Year**

**Cooperative Education**

**Course Enrollment**

**Grades**

**Student Conduct, Complaints, & Grievances**







# Academic Actions

## University Grade Point Average

Decisions involving academic warning, probation, suspension, dismissal, honors and eligibility for graduation are defined by each academic unit. These decisions are based on the university grade point average (GPA), which is determined by dividing the total number of quality points earned by the total number of semester hours attempted. The number of hours attempted is computed by adding the hours for all courses in which the student has earned grades. The overall point standing takes into account all work taken at the University, excluding courses numbered below the 100 level. Grades and quality points earned at other institutions are not incorporated into the university grade point average.

## Notification of Academic Actions

Students have the responsibility to know their current status. The School routinely notifies students when their status changes, but such notification may not be possible before the beginning of a semester. Notification of academic actions are officially made through the student's university email account.

## Graduation With Honors



Students who have completed one-half of the credit hours required in their undergraduate degree program while enrolled in the Speed School of Engineering will be eligible to graduate with Honors. Speed School has the following distinctions:

- Honors..... GPA > 3.25
- High Honors..... GPA > 3.50
- Highest Honors.... GPA > 3.75

Eligibility for Master of Engineering degree graduate honors is based upon the grade point average for the five year degree program and not just courses taken while in Graduate Studies.

## Dean's List and Dean's Scholar

Undergraduate students in Engineering Fundamentals and Departmental Studies who complete twelve or more (nine or more in summer terms) graded credits are eligible for the Dean's List and designation as Dean's Scholar. The following distinctions are made:

- Dean's List..... GPA > 3.5, with no grades of "I", "X", "U", "D", or "F"
- Dean's Scholar... GPA = 4.0, with no grades of "I", "X", or "U"

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. Honor certificates for those receiving these distinctions are available online through the student's ULink account.



## Good Standing

Undergraduate students are in good standing and are making satisfactory progress when they have a cumulative GPA of at least 2.0.

## **Academic Warning**

Undergraduate students who, after the first 12 degree-applicable semester hours at the university, have a GPA below 2.0 will be placed on Academic Warning. They will be notified that their achievement is below expectations and strongly encouraged to seek assistance. 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 GPA to at least 2.0. 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 2.0 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:

- Student whose cumulative and semester GPA are both at or above 2.0 will be restored to good standing in the Speed School.
- Student whose cumulative GPA is still below 2.0 but who earned a semester GPA of at least 2.5 will be maintained on probation.
- Student whose cumulative GPA is still below 2.0, and who earned a semester GPA at or above 2.0 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.
- Student whose cumulative and semester GPA are both below 2.0 will be placed on Academic Suspension and will be required to sit out at least one semester.

Academic probation will be considered a serious warning that the student is making unsatisfactory progress toward completion of the academic requirements for a particular degree program. Students on academic probation are ineligible to hold office in any campus organization or to represent the school or the University in any official capacity, except by special approval of the Associate Dean for Academic Affairs. Students who are on academic probation are not eligible for co-op assignments.

## **Limited Load**

Although a student may be admitted to Departmental Studies and continue to maintain minimal academic standards, it is possible for individual performance levels to fall beneath the projected progress necessary for future admission to Graduate Studies. A student enrolled in Departmental Studies who at the end of any semester or term has a cumulative GPA below 2.25 will be placed on Limited Load. While on Limited Load, no student may enroll in more than 13 credit hours (7 credit hours during the Speed School of Engineering summer term). A student will be continued on Limited Load until the cumulative GPA is raised to 2.25.

## **Academic Suspension**

Students suspended for unsatisfactory academic performance will not be permitted to enroll for academic course work for at least one semester. During this period, individuals should seriously reexamine their previous accomplishments in terms of their chosen career objectives. After one

semester, a student who believes that a reasonable opportunity for future successful performance exists may petition the school's Standards and Admissions Committee for re-admittance to the Speed School of Engineering.

Readmission of suspended students is not guaranteed. The petitioner must submit an Application for Undergraduate Admission form to the University's Office of Admissions in addition to the written petition. The petition for readmission of a student suspended for unsatisfactory academic performance must be received by the enrollment unit at least one month prior to the first day of classes for the semester in which the student seeks readmission. The petition should address the student's perception of the causes of poor performance; the steps the student has taken to address those causes; and a plan of action to return to good standing. Students who are granted reinstatement will be readmitted on Academic Probation.

## **Academic Dismissal**

No student will be reinstated more than twice; the third suspension is an Academic Dismissal. A student academically dismissed can only return through special permission from the enrollment unit. Students who are suspended or dismissed from the Speed School of Engineering are eligible to apply for admission to another U of L unit and may be admitted if they meet minimum admission standards of that unit. Students who apply for admission to another unit may not enroll in any courses in the unit from which they were dismissed.

## **Academic Bankruptcy**

Students who have been out of higher education for at least two years and then return to achieve a 2.5 GPA or higher in the first 12 degree-applicable credit hours are eligible to apply for Academic Bankruptcy. All degree-applicable courses taken during the term in which the 12 hour minimum is attained will be considered in determining eligibility for bankruptcy. Under this policy, students (if accepted) could remove one or more consecutive semesters of college work from their GPA and semester hours completed calculation. Students are advised that while bankrupted course grades are removed from the calculation, the course work does remain a part of their permanent record and that the bankrupted work may be considered for financial aid purposes, NCAA purposes, and may be evaluated if applying for honors or graduate/ professional study. Additionally, students must be aware that Academic Bankruptcy is an internal policy and the University of Louisville cannot guarantee how the work will be viewed by another university should the student choose to transfer. Students wishing to examine this option are advised to see an academic advisor for details of the process. Bankrupt semesters will not apply toward enrollment semesters when determining catalog year. Bankruptcy may be declared only once.

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### Related content

- [Academic Credit](#)
- [Advising and Registration](#)
- [Catalog Year](#)
- [Cooperative Education](#)

- Course Enrollment
- Grades
- Student Conduct, Complaints, & Grievances



# Academic Credit

## Awarding of Credit Through Placement Exams

The University of Louisville awards credit for scores of 3 on all Advanced Placement Examinations of the College Entrance Examination Board. A higher score may be required to receive credit for specific courses within certain disciplines. Those scores and course equivalencies are listed at <http://admissions.louisville.edu/apply/ap-credit.html>. Credit is also awarded on the basis of the College Level Examination Program (CLEP), which may be taken at the University of Louisville Testing Services. Credit will be granted based on the scores given at <http://admissions.louisville.edu/apply/lep-credit.html>. Although academic credit may be received for a course, not all courses may be applicable toward an engineering degree.

## Concurrent Registration at Another University

Students in the College of Engineering who wish to enroll in a course or courses at another institution must obtain prior permission. Such students should contact the Associate Dean for Academics for that permission.

## Correspondence Courses



For any student enrolled in the Speed School of Engineering, a maximum of three (3) courses (10 credit hours maximum) may be taken by correspondence from an accredited institution. These courses may be only from the areas of Arts, Humanities, Social and Cultural Studies, and must fulfill all requirements stipulated for such courses. Currently enrolled students must have the permission of their department chair in order to enroll in a specific correspondence course during a particular semester. This policy applies also to students transferring into the School of Engineering.

## Transfer Credits

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). The amount of credit to be transferred will be determined by a transcript evaluation completed by 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.



The decision to accept a transferred course in fulfillment of a program requirement (i.e., degree credit) will remain the prerogative of the department chair. The School of Engineering requires a minimum "C" grade for any transferred course to be accepted as credit toward a degree. A transfer student must earn at least sixty (60) semester hours applicable toward the baccalaureate degree at a fully accredited four-year college or university. Thirty (30) of the last thirty-six (36) semester hours must be earned at the University of Louisville.

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Related content

- Academic Actions
- Advising and Registration
- Catalog Year
- Cooperative Education
- Course Enrollment
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# Advising and Registration

## Academic Advising

The Academic Advising Center is the academic resource center for students in Engineering Fundamentals. The advising staff is a team of professional academic counselors who provide assistance in planning programs of study, coordinate registration of courses, and provide guidance and referral services. Students who have been admitted to Departmental Studies are expected to obtain advising from the faculty advisors in the department of their major. While your academic advisor will make every effort to guide you throughout your education, students are ultimately responsible for developing a familiarity of and adherence to University, college, and departmental policies and procedures.

## Engineering Fundamentals Advising Requirements & Registration

All students in Engineering Fundamentals are required to meet with an academic advisor in the Academic Advising Center prior to registration. The academic advisor will set an advising code to clear the student for registration. Advising appointments for registration should be made at the Center, located in J.B. Speed Building, Room 213. Advising office hours are Monday through Friday from 8:30 to 4:30. For further information about academic advising in the School of Engineering, call 502-852-6100 or send an email to [ssadvise@louisville.edu](mailto:ssadvise@louisville.edu).

## Departmental Studies Advising Requirements & Registration



After admission to Departmental Studies, the student is assigned a departmental advisor for the academic program of study. Students should contact their Department to determine the appropriate advisor and the advisor's office hours.

The Civil and Environmental Engineering, Computer Engineering and Computer Science, and the Electrical and Computer Engineering departments require all of their students to be advised. In these departments, it will be necessary for an academic advisor to set an advising code to clear the student for registration.

Students in the Bioengineering, Chemical Engineering, Industrial Engineering and Mechanical Engineering departments are required to meet with an advisor the first semester after being admitted to the department. Once students earn 60 program hours in these departments they are not required to meet with an advisor in subsequent terms, but are strongly encouraged to do so.

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### Related content

- Academic Actions
  - Academic Credit
  - Catalog Year
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  - Course Enrollment
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- 



# Catalog Year

Undergraduate engineering degree (B.S.) requirements will be based upon the course requirements that are in effect at the time of undergraduate admission to an engineering curriculum.

Graduate/Professional engineering degree (M.Eng.) requirements will be based upon the course requirements that are in effect at the term of admission to graduate/ professional status in an engineering curriculum. Students may elect to follow the most recent degree program requirements established subsequent to their initial entry into the Speed School of Engineering. The University reserves the right to issue and require immediate compliance with new curricular requirements as may be needed to respond to accreditation issues. If a student has a break in enrollment of two or more calendar years, the student must apply for readmission and, if admitted, will be subject to catalog requirements in effect at the time of readmission.

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## Related content

- Academic Actions
- Academic Credit
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- Course Enrollment
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# Cooperative Education

## The Opportunity

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. By pursuing an integrated program of both on-campus and employment learning experiences, a student has the opportunity to observe and participate in the practice of engineering. The Engineering Office of Career Development assists each student in obtaining a suitable cooperative work assignment in business and industry or government locally, statewide, regionally, and nationally. During each co-op assignment, students work full-time and receive a salary from their employer.

## Objectives of Cooperative Education

- To provide students with experience in the job search process.
- To provide an opportunity for discipline related learning experience in the work place to expand and enrich the student's academic training.
- To provide an opportunity to integrate classroom theory with workplace practice.
- To provide an opportunity for students to assess engineering as a career choice relative to their individual skills and interests.
- To encourage development of critical competencies such as communication, teamwork, and management skills.
- To enable students to develop a knowledge and understanding of engineering applications in business.
- To assist students in developing an understanding of professional and ethical responsibilities.

## Engineering Cooperative Education

In order to qualify for the Master of Engineering degree, students must successfully complete three co-ops within an area directly related to their degree specialization.

## Eligibility for Co-op

- Co-op eligibility is dependent upon the student's admission to an academic department, being in good standing within Speed School, and upon completion of pre- and co-requisites for the Co-op 288 Seminar. 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.
- Required Cooperative Education Seminar (non-credit)
- Students must be enrolled in Departmental Course 288 the semester preceding their first cooperative work assignment. The course description is available in this Catalog.

## 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 Career Development Office.
- In order to achieve the objectives of Cooperative Education, all co-op work terms will be

- conducted with the same employer.
- 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 Master of Engineering degree, all candidates must have completed three alternating cooperative semesters, totaling one year's duration.

## **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 Career Development and on the co-op website.

## **Evaluation and Academic Credit**

Co-op students are graded on a pass/fail basis and earn two semester hours of credit for each completed co-op, for a total of six semester hours. At the conclusion of a co-op semester, each student is evaluated by the appropriate employer representative. This evaluation will assist in the development and counseling of the student and will become a permanent part of the student's file. Each student is required to submit a written report along with the employer evaluation at the end of each co-op period. The report will be reviewed by the co-op coordinator and graded by faculty in the student's major department.

## **Advanced Credit**

Advanced credit for co-op may be awarded upon approval of the department chair, the Director of Career Development and the 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 (2 hours).

Forms for advanced credit are available from the Engineering Office of Career Development. Part-time work or work performed subsequent to entering Speed School will not qualify for advanced 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 two hours of credit 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**

- Although three semesters of co-op are required for the Master of Engineering degree, a student exiting with the Bachelor of Science degree may substitute three semester hours of coursework for the third and final 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.
- When a co-op coordinator experiences extreme difficulty in placing a student on one or more co-ops, that student may seek an administrative waiver from the department chair and the co-op coordinator. Waiver recipients are required to complete a minimum of two semester hours of additional courses for each cooperative period waived. These additional courses will be specified by the department chair.

## **International Students Exemption**

A student who holds a student visa is exempt from the mandatory cooperative education requirement. The six semester hours of co-op work experience will be replaced by six semester hours of courses approved by the department.

## **Graduate Career Employment**

Graduating students and alumni should register with the Engineering Career Development Center for job search assistance. On-campus interviews, individual counseling, and group information sessions are conducted throughout the year.

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# Course Enrollment

## **Audited Courses**

Audit status is offered on a space available basis. For that reason, students may not register for a class in an audit status during early registration, nor may a student change from a grade status to an audit status during that period. Students may register for classes in audit status during regular registration (after early registration financial cancellations) and then only with written approval of the instructor of the course. Students are allowed to change from audit to graded status or from graded status to audit status at any time from the beginning of regular registration through the last day to add a class, as they have approval from the course instructor. Students are advised that such approval is the instructor's prerogative and that audit status may have implications for financial aid eligibility. Any change of status must be submitted on the form provided in the Schedule of Courses. Forms must be submitted to the Registrar's Office by the required date.

## **Course Loads**

Registration for 12 or more credit hours during a semester entitles an undergraduate student to full-time status. 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 Affairs.

 Students on either Limited Load, 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.

## **Course Numbering System**

Courses with numbers from 500 to 599 may be open to both undergraduate and graduate students and can be taken by graduate students for graduate credit. Those numbered 600 and above are primarily for graduate students. Graduate students who wish to receive graduate credit for 500-level courses must demonstrate a level of mastery of the course material substantially above that required for undergraduate credit. This mastery must be verified in writing by the instructor if graduate credit is requested after course is completed. Demonstration of an appropriate degree of mastery may include term papers, independent study, comprehensive examinations, or other more stringent requirements than those applied for undergraduate credit. The nature of the differences between the requirements for graduate credit and those for undergraduate credit must be described in course syllabi. Students are advised to consult their department for information on any particular 500-level course.

## **Drop/Add**

 Students wishing to alter their schedule of courses in any way must do so officially through the online registration process or on a drop/add form, available in the Office of Academic Affairs. Signatures are not required to drop or add if done before the last official day to drop/add a course. Students may add courses to their schedules only within the first week of the semester. The last day to add is also the last day to delete a course from your record. After that date, a grade of "W" is assigned for all withdrawals during the first half of the semester (each semester the registrar will set and publish the actual withdrawal deadline). No student may withdraw during the last half of the semester. Failure to complete this official change or withdrawal process will result in a grade of "F" in each course in which the student is officially enrolled and not attending.

After the deadlines pass, the Associate Dean for Academic Affairs may grant a student's request to delete or withdraw courses because of sickness or conditions beyond the student's control. Students may appeal decisions on late withdrawals by petitioning the Standards and Admissions Committee. The petition is online at <http://speed.louisville.edu/forms/Advising/SACPpetition.pdf>.

## **Independent Study Courses**

Enrollment in an independent study course provides the opportunity for the student, under the supervision of a sponsoring faculty member, to pursue individualized study related to research and/or the practice of engineering that is not included in courses in the curriculum. The student must present an approved written plan that includes the purpose, rationale, activities planned, and expected results. A title for this individualized study course will be assigned by the supervising faculty member and will appear on the student's academic record. An independent study course is not permitted to duplicate an existing lecture course. Independent study enrollments will not be included in the assigned instructional workload of faculty, because of difficulties encountered in evaluating percentage instructional effort and performance in this category.

## **Pass-Fail Option**

Students who have been admitted to Departmental Studies may take one course each semester on a pass-fail basis to the limit of three courses or nine semester hours in total (not including credit obtained for cooperative assignments). However, students on academic probation or limited load are not eligible to take courses on a pass-fail basis during the term of their probation. Courses used in fulfillment of general education requirements, courses specified by number and/or title in the student's curriculum and major-program electives may not be taken on a pass/fail basis. A passing grade will have no bearing on the student's term average or cumulative average, a failing grade will be averaged in both the term and cumulative average on the same basis as any other grade of "F".

Students may not change their registration, either from credit to pass/fail, or from pass-fail to credit after the first half of the semester. Credit earned for a co-op assignment is always on a pass-fail basis. All students are permitted to register for physical education courses on a pass-fail basis.

## **Undergraduates Taking 600-level Graduate Courses**

Undergraduate students who are within 6 semester hours of completing baccalaureate requirements may register in 600-level graduate courses, with the permission of the instructor and the Associate Dean for Academic Affairs. It is understood that such courses will replace courses in the normal undergraduate curriculum and therefore cannot be used for subsequent graduate credit.

Subsequent graduate credit can be obtained only if these courses have not been used to satisfy part of baccalaureate requirements, and if the recommendation of the chairman of the department involved and the approval of the Associate Dean are obtained.

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# Grades

## Class Attendance

The programs of the Speed School are uniformly rigorous and demanding. Class attendance is expected and, if so indicated in the course syllabus, may be used to partially determine the course grade. Moreover, class participation may be a factor in grading as will taking examinations, completing homework assignments and fulfilling other course requirements.

## Final Examination Policy

The final examination is defined as the last examination in a course administered during the appropriate period in the published Final Exam Schedule. The approved policy on final examinations is available at <http://speed.louisville.edu/policies/finals.pdf>.

## Incompletes



In reporting the grade “I”, instructors shall state the nature of the work that is lacking. The deficiency must be made up within the school’s next academic term. Failure to complete the work within this period will result in a grade of “F” being recorded against the student. When the required work is completed, the instructor will submit a grade authorization form changing the “I” to the letter grade earned. When the grade of “F” is given in any required course, the student shall repeat the course or take an approved equivalent at the first opportunity.

## Repetition of Courses

Undergraduate students may repeat to replace a maximum of four (4) courses with grades of C or below. Students in Graduate Studies may repeat to replace one course with a grade of C or below. For these repeated courses, only the last grade attained will be used in the grade-point average calculation. Courses in which a grade of C or D was originally attained may be repeated only once under the repeat-to-replace option. Students are not required to repeat an F grade unless the course is specifically required for graduation. Students should be aware that all grades are displayed on the official transcript even after the repeat. All Schools and Colleges within the University will honor any previously granted repeats from other Schools and Colleges within the University. A repeat form must be filed to activate this option. For courses retaken for which this option is not requested, both grades will be used in the grade point average calculation, but students cannot receive double credit in hours required for the degree. Permission will not be granted for a student to repeat lower level courses after a higher level course in the sequence has been passed.

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# Student Conduct, Complaints, & Grievances

## University's Code of Student Conduct

<http://campuslife.louisville.edu/policies/studentconduct.html>

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.

## University's Code of Student Rights and Responsibilities

<http://campuslife.louisville.edu/policies/studenthandbook/pages/studentrights.html>

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.



## 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 men and women who will serve the engineering community with competence and integrity. Academic dishonesty is a serious offense at Speed School of Engineering 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.

Allegations of academic dishonesty are handled in accordance with the Procedures for Dealing with Breaches of Academic Integrity. These procedures are available online at <http://speed.louisville.edu/policies/AIRC.pdf>.

## 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. In addition, each faculty and/or staff member involved in the process should make written documentation as each step is implemented.

- 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 Affairs.
- Within a reasonable period of time, depending on the time urgency, the Associate Dean for Academic Affairs will contact the department chair or director, in writing, if a response has not been made.
- Only in exceptional cases, and as a last resort, should the student be advised to write directly to the Dean.
- 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.

## **Grievance Procedure**

Unresolved student complaints regarding academic matters are resolved through the Speed School grievance procedure. Academic matters are those concerning instructional activities, research activities, activities closely related to either of these functions or decisions involving instruction or affecting academic freedom. Any student who believes he has been treated unfairly, discriminated against, or has his rights abridged may initiate a grievance. The student shall first seek to have the matter resolved internally through informal discussion and through administrative channels. If informal resolution does not occur, a formal grievance should be submitted to the Speed School Student Grievance Committee. A detailed description of the procedure is given at <http://speed.louisville.edu/committees/grievance.pdf>

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# Faculty and Department Information

Administration & Academic Affairs

Engineering Fundamentals

BioEngineering

Chemical Engineering

Civil and Environmental Engineering

Computer Engineering and Computer Science

Electrical and Computer Engineering

Industrial Engineering

Mechanical Engineering







# Administration & Academic Affairs

## Administrative Officers

### Dean

Mickey R. Wilhelm, Ph.D., P.E.

### Associate Dean for Academic Affairs

Michael L. Day, Ph.D., P.E.

### Associate Dean for Research

Thomas L. Starr, Ph.D.

### Assistant Dean for Administration

Connie Braden

## Academic Affairs Office

Room 214, J. B. Speed Bldg.  
(502) 852-7178



The Academic Affairs Office provides services for all Speed School students, faculty, alumni, and industry. The faculty and professional staff are responsible for recruiting and admitting prospective students, academic advising for students until they are formally admitted to a department, career development, providing student services, enhancing the quality of student life, supporting the school's academic programs, and delivering services which support the academic mission of J. B. Speed School of Engineering.

## Faculty

### Associate Dean for Academic Affairs

Michael L. Day, Ph.D., P.E.  
Purdue University  
Professor

### Emeritus Faculty

### Director of Cooperative Education

Faye Sutton, M.A.  
Eastern Kentucky University  
Professor

## Professional Staff



### Director of Academic Programs

Michael R. Harris, Ed.D.  
University of Louisville

**Director of Admissions**

Marita A. Frank, B.A.  
University of Louisville

**Director of Career Development**

Raymond Mark Schreck

**Director of Support Services**

Paula M. Murphy

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# Engineering Fundamentals

## Overview

The Engineering Fundamentals Department is comprised of faculty and staff who teach introductory engineering courses, advise entering freshmen, and coordinate outreach programs that promote engineering as a profession to elementary, middle, and high school students. The department focuses on a positive and supportive environment in which students are helped to succeed in their studies and to select a major discipline. Departmental faculty strive to achieve excellence in teaching courses that introduce students to the engineering profession and provide them with fundamental engineering skills through a common set of core courses that begin in their freshman year. Departmental staff seek to provide courteous, timely, and effective academic advising and to promote awareness of the importance of the engineering profession and the satisfying challenges of an engineering career.

## Departmental Objectives

- Maintain an environment that attracts and retains qualified and interested engineering students.
- Maintain high academic standards and uniformity in the quality of courses offered in all semesters.
- Develop sound pedagogical methods using the latest technologies applied to engineering fundamentals education.
- Provide courteous, timely, and effective academic advising.
- Identify and provide appropriate referrals for students who need counseling for personal matters.
- Coordinate programs to implement the university's STEM initiative and introduce elementary, middle, and high school students to Speed School.

## Faculty

### Department Chair

Patricia A. S. Ralston, Ph.D.  
University of Louisville  
Associate in Chemical Engineering  
Professor  
Room 118, J.B. Speed Building

### Professors

Brenda G. Hart, M.Ed.  
University of Louisville  
Director of Student Affairs\*

Melvin J. Maron, Ph.D.  
Polytechnic Institute of Brooklyn  
Associate in Computer Engineering and Computer Science

Robert A. Matthews, M.Ed.  
University of Louisville

James A. Leach, M.Ed.  
Auburn University

Larry D. Tyler, Ph.D.  
University of Louisville  
Associate in Mechanical Engineering

**Assistant Professor**

James E. Lewis, Ph.D.  
University of Louisville

**Term Faculty**

Gale Crush, M. Eng.  
University of Louisville  
Assistant Professor

Jeff Hieb, Ph.D.  
University of Louisville  
Instructor

Gary Rivoli, M.S.  
University of Louisville  
Assistant Professor  
Director of Outreach Programs\*\*

**Advising Staff \*\*\***

Susan M. Best, M.A., Director of Advising  
Leigh Ann Elles, Academic Counselor Sr.  
Vivian Lochner, M.Ed., Academic Counselor Sr.

\* The Director of Student Affairs works with students at all stages of their education. The director: (1) is involved with all aspects of enhancing the quality of the student's college experience, promoting student activities and the improvement of student life, (2) leads and supports the diversity initiatives of the School and coordinates activities that seek to recruit and retain the populations that are under-represented in engineering, and (3) handles student complaints, grievances, and counseling needs.

\*\* The Director of Outreach Programs works with elementary and middle schools to introduce their students to the engineering profession.

\*\*\* The advisers direct and coordinate all functions of academic advisement for Engineering Fundamentals students and new transfer students regarding course selection and academic issues. They also coordinate advising with the other engineering departments and the rest of the university.



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# BioEngineering

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 aging of the population and the focus on health issues will increase the demand for better medical devices and equipment designed by bioengineers and the employment opportunities for bioengineers are expected to grow faster than the average for all occupations through 2012. Combined with a growing job market and financial rewards, bioengineers have the gratification that comes from working to meet the needs of society. Bioengineers choose their field to be of service to people, to be a part of the excitement of working with living systems, and to apply advanced technology to the complex problems of biology and medicine.

The areas of emphasis in Bioengineering at Speed School include biomedical devices, bio-Micro/Nano-Electro-Mechanical Systems, cellular, tissue and molecular engineering, biomaterials, imaging.

## Mission and Program Educational Objectives

The overall mission of the Bioengineering Department is to provide students with an excellent education through coursework, research and co-operative work experience to enable successful, innovative, and life-long careers in bioengineering. Graduates of the program will have a mastery of underlying bioengineering sciences and related technologies, as well as professional, ethical, and societal responsibilities.

## Master of Engineering Program Educational Objectives

- The purpose of the five-year Master of Engineering Program is to bring together the faculty, staff, and capital resources to meet the following program educational objectives: To prepare students for successful and productive engineering careers with emphasis on technical competency, learning, teamwork, and effective communication skills that facilitate bioengineering practice and continued professional advancement
- To prepare students for the successful pursuit of graduate studies and for life-long learning in bioengineering and related fields.
- To endow the students with a sense of professional, ethical, and societal responsibilities and active participation in the affairs of the profession.

## Program Outcomes

- The ability to apply knowledge of the mathematics, science and engineering to bioengineering problems.
- The ability to design and conduct experiments, as well as to analyze and interpret the data generated by those experiments.
- The ability to design a system, component, devices, or process to meet desired needs.
- The ability to function effectively on multi-disciplinary teams which may involve people from

- diverse backgrounds.
- The ability to identify, formulate and solve bioengineering problems.
  - An understanding of professional and ethical responsibilities.
  - The ability to communicate effectively orally and in writing
  - The attainment of the broad education necessary to understand the impact of bioengineering solutions in a global, economic, environmental, and societal context.
  - A recognition of the need for, and an ability to engage in life-long learning.
  - Knowledge of contemporary issues.
  - The ability to use the techniques, skills, and modern engineering tools necessary for bioengineering practice.

## **Faculty**

### **Department Chair**

Robert S. Keynton, Ph.D.  
University of Akron  
Professor  
Room 437, Lutz Hall

### **Associate Professor**

Steven C. Koenig, Ph.D.  
University of Texas  
Joint Appointment with Department of Surgery, School of Medicine

### **Assistant Professors**

Ayman El-Baz, Ph.D.  
University of Louisville

André M Gobin, Ph.D.  
Rice University

Andrea S. Gobin, Ph.D.  
Rice University

Guruprasad A. Giridharan, Ph.D.  
University of Utah

Palaniappan Sethu, Ph.D.  
University of Michigan

### **Joint Faculty Professor**

George Pantalos, Ph.D.  
Ohio State University  
Joint Appointment with Department of Surgery, School of Medicine

### **Associates**

Gina Bertocci, Ph.D.  
Endowed Chair of Biomechanics  
University of Pittsburgh  
Associate Professor, Mechanical Engineering



M. Keith Sharp, Ph.D.  
Massachusetts Institute of Technology  
Professor, Mechanical Engineering

Naira Campbell-Kyureghyan, Ph.D.  
The Ohio State University  
Assistant Professor, Industrial Engineering

Amir Amini, Ph.D.  
University of Michigan/Ann Arbor  
Professor, Electrical and Computer Engineering

**Adjunct**

Mike Voor, Ph.D.  
Tulane University  
Associate Professor of Orthopaedic Surgery

Aoy Tomita-Mitchell, Ph.D.  
Massachusetts Institute of Technology

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# Chemical Engineering

## **Overview**

Chemical engineers use their knowledge of basic sciences, mathematics and economics to transform raw materials into useful products. As engineers, they translate the developments of basic scientists, including chemists, to large-scale production. Chemical engineers provide society with a variety of goods such as petroleum products, plastics, semiconductors, processed foods, pharmaceuticals, and paints and coatings, to name a few. They are also leaders in energy generation and conservation using both traditional and newer renewable sources; stewardship of natural resources; biotechnology; and environmental protection.

Chemical engineers participate in a diversified number of engineering, scientific, and management activities in plants and refineries, government agencies, consulting and engineering firms, and research laboratories. Their functions include basic and applied research and development related to concepts, products, equipment and entire processes; equipment, process and plant design; production and process engineering; process control and automation; marketing, sales, and service; entrepreneurship aimed at developing new products and processes. Computers are used extensively for computation, simulation and design, real time data acquisition, and digital process control. A chemical engineering education provides a skill set which proves very useful as the basis for a long-term technical or management career in industry, advanced degree programs in discipline, or careers in the medical arts, patent and environmental law, general business management, technical sales, and other areas which require the application of problem solving to real world issues.

ABET, Inc., accredits the program leading to the degree, Master of Engineering with specialization in Chemical Engineering. The Master of Engineering program permits students to develop a degree of specialization beyond the basic level, in an area of Chemical Engineering such as advanced engineering materials, nanotechnology, polymers, separation methods, the environment, or biotechnology. The department also offers the Bachelor of Science in Chemical Engineering (BCH), the Master of Science (M.S.) and the Ph.D. degrees.

## **Mission**

The mission of the Department of Chemical Engineering is to develop graduates, who are academically prepared for the broad profession of Chemical Engineering, which is increasingly complex, diverse and changing. This is to be accomplished through educational programs and the pursuit of scholarship, research and professional service activities. The department is committed to fulfilling its role in the urban mission of the University of Louisville.

## **Education**

The primary mission of the department is to provide a quality education to prepare students to function in a world whose demands are constantly changing, and to develop those skills necessary for a rewarding lifetime of continuous learning and professional service. The faculty members of the Department of Chemical Engineering see the accredited degree program, with mandatory cooperative education, as providing the depth and breadth of education necessary to best fulfill this educational mission.

## **Scholarship**

Through scholarship, the departmental faculty members endeavor to develop new knowledge and methodologies for the benefit of humankind. Scholarship encompasses Teaching, Discovery, Integration and Application. Some of the manifestations of Scholarship are creativity, design, research and development, and the pursuit of academic excellence. Both multidisciplinary and traditional basic and applied research areas are stressed in the department. Academic programs leading to the MEng, M.S. and Ph.D. degrees provide the needed course-work to fulfill the scholarship mission of the department.

## **Service**

The department service mission emphasizes the professional, educational, and economic development of the Commonwealth of Kentucky, with particular emphasis on the greater Louisville area, as befits an urban university. Faculty members are encouraged to collaborate with local, state, national and international organizations to improve education, research and professional interactions.

## **Program Objectives for the Master of Engineering Program in Chemical Engineering**

The objectives of the Master of Engineering Program in Chemical Engineering are to:

- Educate and train graduates with the academic background and practical experiences necessary to function as chemical engineering professionals in a modern, ever-changing world
- Produce graduates who demonstrate competence by being selected for employment by high level industrial, academic and government entities
- Provide our graduates with the foundation for the development of a successful career and with the understanding that life-long learning is necessary to this development
- Ensure that our graduates understand the broad societal, ethical and professional issues of the engineering profession

In addition, an over-arching objective of the department is to encourage the development of professionalism in Chemical Engineering in our community and region by providing degree programs, continuing education and other professional development opportunities, appropriate to the needs of the region, and within the guidelines of the mission of the University of Louisville.

## **Program Outcomes**

In order to achieve these objectives, the Master of Engineering Program, with specialization in Chemical Engineering, has the following outcomes for its graduates. Graduates of the program will have:

- the ability to apply knowledge of mathematics, science and engineering to identify, formulate and solve problems in Chemical Engineering using techniques, skills, and modern engineering tools, including computers, necessary for contemporary Chemical Engineering practice
- the ability to design and conduct experiments
- the ability to analyze and interpret data
- the ability to design a system, component and/or process relevant to Chemical Engineering to meet desired needs subject to realistic constraints such as feasibility, economics, environmental compliance and sustainability, health and safety, and social, political and ethical implications, as evidenced by curricular activities including a capstone design experience

- the ability to function on multi-disciplinary and/or multi-functional teams
- the broad education, and knowledge of contemporary issues, necessary to understand the professional and ethical responsibilities of chemical engineers and engineering solutions in a global and societal context
- the ability to communicate effectively orally, in writing and via modern computer technology
- a recognition of the need for, and an ability to engage in, life-long learning

The success of the program in meeting these objectives is gauged by a set of outcome assessment measures determined by the faculty of the Department of Chemical Engineering, and reviewed on a regular basis with the intention of improving the effectiveness of the program in meeting its goals.

## **Faculty**

### **Department Chair**

James C. Watters, Ph.D., P.E.  
University of Maryland  
Professor  
Room 106 R. C. Ernst Hall

### **Professors**

Kyung A. Kang, Ph.D.  
University of California at Davis

Walden L. S. Laukhuf, Ph.D., P.E.  
University of Louisville

Thomas L. Starr, Ph.D.  
University of Louisville  
Associate Dean

Mahendra K. Sunkara, Ph.D.  
Case Western Reserve University

### **Assistant Professors**

Robert Eric Berson, Ph.D.  
University of Louisville

Moises A. Carreon, PhD  
University of Cincinnati

Gerold A. Willing, Ph.D.  
Auburn University

### **Associates**

Lawrence Gettleman, D.M.D.  
Harvard School of Dental Medicine  
Professor of Prosthodontics and Biomaterials

Patricia A. S. Ralston, Ph.D.  
University of Louisville  
Professor of Engineering Fundamentals

Richard A. Ward, Ph.D.  
University of Canterbury, New Zealand  
Professor of Medicine, Division of Nephrology

### **Adjunct Professors**

Duane F. Bruley, Ph.D.  
University of Tennessee

Britton Chance, Ph.D.  
University of Pennsylvania, Ph.D.  
Cambridge University, Ph.D.  
Cambridge University, D.Sc.

Kyung-Ju Choi, Ph.D.  
University of Tennessee

David W. Wheatley, Ph.D.  
University of Louisville

### **Adjunct Assistant Professors**

Joseph A. Zimlich, M.Eng.  
University of Louisville

### **Emeritus Faculty**

Dermot J. Collins, Ph.D., P.E.  
Georgia Institute of Technology  
Professor

Pradeep B. Deshpande, Ph.D., P.E.  
University of Arkansas  
Professor

Marvin Fleischman, Ph.D., P.E.  
University of Cincinnati  
Professor

Dean O. Harper, Ph.D., P.E.  
University of Cincinnati  
Professor

Earl R. Gerhard, Ph.D., P.E.  
University of Illinois  
Dean and Professor

Charles A. Plank, Ph.D.

North Carolina State University  
Professor

Hugh T. Spencer, Sc.D.  
Johns Hopkins University  
Professor

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# Civil and Environmental Engineering

## Overview

The Civil Engineers of today are charged with solving some of the most demanding problems in our society's history. These problems relate primarily to the security of America's infrastructure: its highways, bridges, water supply systems, sewers, public buildings to name a few. Because our nation has been so prosperous, it has an extremely large investment in its infrastructure. Without the efforts of Civil Engineers in the maintenance, modernizing, and efficient replacement of the infrastructure, the economic vitality of the nation may well be threatened. Recent estimates indicate that the funds needed to protect the investment will exceed \$3 trillion before the end of the century. Civil Engineers will provide the planning, design, and construction for the rescuing of America's physical plant.

Civil Engineering is perhaps the most varied of all the disciplines, with career opportunities ranging from construction supervision to computer programming. Many Civil Engineers eventually become owners of the companies for which they work; in fact, many Civil Engineers own their own "one person" firm. Others will take a fast track to management, often becoming responsible for multi-million dollar projects before age 30. Still others will opt to stay in highly technical design positions.



One area where Civil Engineering is taking the lead is in the use of high technology in the workplace. For example, computer graphics and other forms of computer-aided engineering are fundamental to much of what is accomplished in practice.

The areas of emphasis in Civil and Environmental Engineering at Speed School include structures, geomechanics, water resources, and transportation. In each area, the faculty is committed to preparing the students to meet the infrastructure challenge through the application of high technology, founded upon traditional Civil Engineering strengths. These strengths lie in mathematics, the physical sciences, and analytic skills.

The program leading to the degree Master of Engineering with specialization in Civil Engineering is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET).

## Mission Statement

The mission of the Department of Civil and Environmental Engineering (CEE) is to provide the highest quality instruction, research, and service in support of the urban mission of the University of Louisville. Regarding instruction, the intent is to educate CEE students in a professional engineering school context and prepare students for a productive lifelong career in the engineering profession. Secondly, the intent is to conduct research relevant to the infrastructure needs of the Commonwealth and the country. Lastly, the intent of service is to be useful to the university, the community, the Commonwealth, and the profession.

## Educational Objectives

- 
- In accordance with our mission statement, provide instruction and associated activities necessary for our graduates to grow from technical competency to professional proficiency.

- Foster an appreciation in our graduates for professional development and life-long learning.
- Provide an educational experience that inspires our graduates to exhibit leadership and team-building skills.
- Promote service by our graduates to the profession, and to society.

## **Program Outcomes**

- Develop in students an ability to apply knowledge from math, science and engineering.
- Develop an ability to organize and conduct laboratory and field work.
- Develop an ability to analyze and interpret data.
- Develop student competence in the design of systems, components, and processes to meet specific needs.
- Provide experience and guidance in working on teams, having a diverse technical makeup.
- Train students to identify, formulate, and solve engineering problems.
- Instill in students an understanding of professional and ethical responsibilities, both in education and in practice.
- Develop and practice effective oral communication.
- Develop and practice effective written and graphic communication.
- Provide a breadth of course work and perspectives which create an understanding of the impact of engineering in society, both local and global.
- Create an awareness in students of the need for life-long learning, whether through formal education or via many other means.
- Expose students to contemporary issues pertinent to the practice of civil engineering.
- Through both instruction and practice, develop in students an ability to use the techniques, skills and modern engineering tools commonly used in civil engineering practice.

## **Faculty**

### **Department Chair**

J. P. Mohsen, Ph.D.  
University of Cincinnati  
Professor  
Room 101, W. S. Speed Hall

### **Professors**

Nageshwar R. Bhaskar, Ph.D., P.E.  
The Ohio State University

Louis F. Cohn, Ph.D., P.E.  
Rensselaer Polytechnic Institute

Mark N. French, Ph.D., P.E.  
University of Iowa

D. Joseph Hagerty, Ph.D., P.E.  
University of Illinois

Roswell A. Harris, Ph.D., P.E.  
Vanderbilt University

Arthur C. Parola, Jr., Ph.D.  
Penn State University

C. Robert Ullrich, Ph.D., P.E.  
University of Illinois

**Assistant Professors**

Thomas D. Rockaway, Ph.D., P.E.  
Georgia Institute of Technology

Zhihui Sun, Ph.D.  
Northwestern University

**Emeritus Faculty**

Michael A. Cassaro, Ph.D., P.E.  
University of Florida  
Professor

Thomas L. Holloman, Ph.D.  
University of Louisville  
Professor

C. Eugene Miller, Ph.D.  
Rensselaer Polytechnic Institute  
Professor

Mario Paz, Ph.D., P.E.  
Iowa State University  
Professor

Harry C. Saxe, Sc.D., P.E.  
Massachusetts Institute of Technology  
Dean and Professor

Terence A. Weigel, Ph.D., P.E.  
University of Kentucky  
Professor

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# Computer Engineering and Computer Science

## **Mission**

The mission of the Department of Computer Engineering and Computer Science (CECS) is to prepare students to enter the Computer Science and Engineering (CSE) profession or to pursue advanced graduate study with specialty in the areas of CECS. The department offers a four-year accredited baccalaureate program in CECS. Students completing the bachelor program can pursue a Master of Engineering program that builds on the first four years with an additional year leading to an accredited engineering degree.

## **Program Educational Objectives**

- Prepare students for successful and productive careers as computer engineers and computer scientists in industry
- Prepare students for the successful pursuit of graduate studies and commitment to life-long learning.
- Prepare students to use their education to address the needs of society with a sense of professionalism.
- Prepare students to have the knowledge and skills to adapt to a dynamic multidisciplinary technological environment through teamwork, ethical concerns, and effective communications.

## **Program Outcomes**

The Master of Engineering Program and the Bachelors of Science Program in computer engineering and computer science provide a solid foundation in oral and written communication, mathematics, science, computer hardware, computer software, and engineering. Specific outcomes of the program prepare the students to:

- Identify computer engineering problems and evaluate alternative solutions to such problems;
- function effectively in multidisciplinary and diverse teams;
- experiment, measure, and analyze scientific and engineering data;
- understand legal, ethical, and societal implications of computer science and engineering projects;
- communicate effectively in written and oral form;
- maintain familiarity with on-going developments in computer science and engineering;
- develop an aptitude for life-long learning;
- understand all aspects of the design processes taking into account functional and human considerations; and
- develop a sense of professionalism and the personal discipline to succeed in their chosen profession.

The Department also offers programs of leading to the Master of Science degree in CS and a Ph.D. in CSE. These graduate programs are also available to persons who have an adequate background in mathematics, engineering, and computer science, but may not necessarily have a baccalaureate degree in CSE.

Students interested in the Master of Science program should consult the Graduate Catalog or the department graduate advisor. The Ph.D. program in Computer Science and Engineering is offered in

collaboration with the Electrical and Computer Engineering Department through the Graduate School. Students interested in the Ph.D. program should consult the Graduate Catalog or the department graduate advisor.

Opportunities for research in Computer Science and Engineering span many application areas such as Bioengineering and E-commerce. Research focus contributing to these applications derives from the following areas:

- Database and Datamining;
- Software Systems Engineering;
- Intelligent Systems and Knowledge Discovery;
- Mobile and Distribute Computer Networks and Systems;
- Computer Imaging, Visualization, and Multimedia;
- Bioinformatics and Bioengineering; and
- Cyber Security and Forensics.

The program leading to the Bachelor of Science degree in CECS is accredited by the ABET Computer Accreditation Commission (ABET/CAC). The program leading to the degree Master of Engineering with specialization in CECS is accredited by ABET, Inc.

## **Faculty**

### **Department Chair**

Adel S. Elmaghraby, Ph.D.  
University of Wisconsin-Madison  
Professor  
Room 123, J. B. Speed Bldg.

### **Associate Chair**

Ahmed H. Desoky, Ph.D.  
North Carolina State University  
Associate Professor

### **Professors**

Mehmed M. Kantardzic, Ph.D.  
University of Sarajevo, Bosnia

Anup Kumar, Ph.D.  
North Carolina State University

Rammohan K. Ragade, Ph.D.  
Indian Institute of Technology, Kanpur

### **Associate Professors**

Antonio Badia, Ph.D.  
Indiana University, Bloomington, IN

Dar-jen Chang, Ph.D.  
University of Michigan, Ann Arbor

Hichem Frigui, Ph.D.  
University of Missouri-Columbia

Ibrahim N. Imam, Ph.D.  
Auburn University

Olfa Nasraoui, Ph.D.  
E-Commerce Endowed Chair  
University of Missouri-Columbia

### **Assistant Professors**

C. Tim Hardin, Ph.D.  
University of Louisville, KY

Ming Ouyang, Ph.D.  
Rutgers University, NJ

Eric Rouchka, Ph.D.  
Washington University, St. Louis, MO

### **Associate Faculty**

James H. Graham, Ph.D., P.E.  
Purdue University  
Henry Vogt Chair of Computer Science And Engineering  
Joint appointment in ECE Department

Melvin J. Maron, Ph.D.  
Polytechnic Institute of Brooklyn  
Professor

### **Adjunct Professor**

Ben Arazi, Ph. D.  
Univ. of the Witwatersrand, S.A.

### **Adjunct Associate Professors**

Sherif El-Kassas, Ph.D.  
Eindhoven University of Technology  
The Netherlands

David D. King, J.D.  
University of Louisville

Michael Losavio, J.D.  
Louisiana State University

Georgia Tourassi, Ph. D.  
Duke University, Durham, N. C.

Khaled M. Wahba, Ph.D.  
Aachen University of Technology  
Aachen, Germany

**Emeritus Faculty**

Khaled A. Kamel, Ph.D.  
University of Cincinnati  
Professor and former Chair

Donald F. Linton, Ph.D.  
University of Kentucky  
Associate Professor

Arthur M. Riehl, Ph.D.  
University of Louisville  
Professor and former Chair

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# Electrical and Computer Engineering

## Mission and Program Educational Objectives

The educational mission of the Electrical and Computer Engineering Department is to provide students with a foundation in electrical engineering and the underlying mathematics and science, giving them the opportunity to pursue undergraduate (Bachelor of Science in Electrical Engineering), professional (Master of Engineering in Electrical Engineering) and graduate degrees (Master of Science in Electrical Engineering, Doctor of Philosophy in Electrical Engineering, and Doctor of Philosophy in Computer Science and Engineering) in an environment that combines engineering practice and research. Graduates of the programs will have a mastery of engineering science, engineering design and research skills, as appropriate for their degree and career objectives, which will enable them to pursue successful careers in the electrical engineering profession.

## Master of Engineering Program Educational Objectives

The purpose of the five-year Master of Engineering Program is to bring together the faculty, staff, and capital resources to meet the following program educational objectives:

- 
- To prepare students for successful and productive engineering careers with emphasis on technical competency, and with attention to teamwork and effective communication.
  - To prepare students for the successful pursuit of graduate studies and for life-long learning in electrical engineering and related fields.
  - To endow the students with a sense of professionalism with encouragement of professional ethics, professional licensing, and active participation in the affairs of the profession.

## Master of Engineering Program Outcomes

The specific educational outcomes which the student can expect to derive from the Master of Engineering Electrical Engineering program are the following abilities:

- 
- The ability to apply knowledge of the physical sciences, mathematics, and engineering fundamentals to the solution of electrical engineering problems.
  - The ability to design and conduct experiments in electrical engineering, and to analyze and interpret the data generated by those experiments.
  - The ability to design components, devices, and systems to meet specific needs in electrical engineering, and some of those needs include consideration of realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
  - The ability to function effectively on multi-disciplinary teams which may involve people from diverse backgrounds.
  - The ability to identify and define problems in electrical engineering, and to generate and evaluate solutions to those problems.
  - The ability to understand the professional and ethical responsibilities incumbent upon the practicing electrical engineer.
  - The ability to demonstrate effective oral communication skills in the field of electrical engineering.

- The ability to demonstrate effective written communication skills in the field of electrical engineering.
- Attainment of the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- The ability to recognize and respond to the need for life-long learning for a successful career in electrical engineering.
- The ability to develop an understanding of contemporary technical and professional issues in the practice of electrical engineering.
- The ability to use the techniques, skills, and tools of modern engineering effectively in the practice of electrical engineering.

The experiences that contribute to the outcomes arise in lecture and laboratory courses, cooperative internship employment, independent study and research, advanced-level projects, self-study, and in the social culture of informal contacts and IEEE Student Branch activities.

The Electrical and Computer Engineering Department offers programs leading to the following degrees: Bachelor of Science (B.S.) in Electrical Engineering, Master of Engineering (M.Eng.) with Specialization in Electrical Engineering, Master of Science (M.S.) in Electrical Engineering, and Doctor of Philosophy (Ph.D.) in Electrical Engineering. The Department also offers a Ph.D. Degree in Computer Science and Engineering (CSE) jointly with the Department of Computer Engineering and Computer Science. The Department also participates in joint-program offerings of a B.S. in Electrical Engineering with Western Kentucky University and a B.S. in Electrical and Telecommunications Engineering with Murray State University

## **Faculty**

### **Department Chair**

James H. Graham, Ph.D., P.E.  
 Purdue University  
 Henry Vogt Chair of Computer Science and Engineering  
 Joint appointment in CECS Department  
 Professor

### **Associate Chair**

Joseph D. Cole, Ph.D., P.E.  
 Southern Methodist University  
 Professor

### **Professors**

Bruce W. Alphenaar, Ph.D.  
 Yale University

Amir A. Amini, Ph.D.  
 University of Michigan  
 Endowed Chair in Bioimaging

Robert W. Cohn, Ph.D., P.E.



Southern Methodist University

Aly A. Farag, Ph.D.  
Purdue University

Barry R. Horowitz, Ph.D.  
Polytechnic Institute of Brooklyn

John H. Lilly, Ph.D., P.E.  
Rensselaer Polytechnic Institute

Kevin M. Walsh, Ph.D.  
University of Cincinnati

Jacek M. Zurada, Ph.D.  
Technical University of Gdansk, Poland  
Samuel T. Fife Alumni Professor of Electrical and Computer Engineering

**Associate Professors**

Hollace L. Cox, Ph.D.  
Indiana University



John F. Naber, Ph.D.  
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**Assistant Professors**

Cindy Harnett, Ph.D.  
Cornell University

Tamer Inanc, Ph.D.  
Pennsylvania State University

Xiangqian Liu, Ph.D.  
University of Minnesota

Shamus P. McNamara, Ph.D.  
University of Wisconsin

**Instructor**

Andre J. Faul, BEng Hons  
University of Pretoria - South Africa

**Associate Faculty**



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University of Wisconsin - Madison  
Professor and Chair of CECS Department

Robert S. Keynton, Ph.D.  
University of Akron  
Associate Professor and Chair of Bioengineering

Steven C. Koenig, Ph.D.  
University of Texas  
Assistant Professor of Surgery

Prasanna K. Sahoo, Ph.D.  
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Professor of Mathematics

Christopher B. Shields, M.D., FRCS  
University of Toronto (Canada)  
Professor and Chair of Neurological Surgery

Gamini Sumanasekera, Ph.D  
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Associate Professor of Physics

#### **Adjunct Associate Professor**

Stacy A. Wilson, Ph.D., P.E.  
Tennessee Technological University

#### **Adjunct Instructors**

Mohamed Ahmed, Ph.D.  
University of Louisville

Stephen G. Hushek, Ph.D.  
Massachusetts Institute of Technology

Thomas A. Jessee, B.S.E.E., P.E.  
University of Kentucky

Edward J. Stottmann, M.Eng.  
University of Louisville

#### **Emeritus Faculty**

Peter B. Aronhime, Ph.D.  
Colorado State University  
Professor

Verne E. Baxter, M.S.  
University of Louisville  
Professor

Samuel V. Bell, Jr., Ph.D.  
University of Kentucky  
Professor



Kiron C. Bordoloi, Ph.D.  
Louisiana State University  
Professor

Darrel L. Chenoweth, Ph.D., P.E.  
Auburn University  
Joint appointment in CECS Department  
Professor

Thomas G. Cleaver, Ph.D., P.E.  
The Ohio State University  
Professor

John Carroll Hill, Ph.D., P.E.  
Purdue University  
Professor

Leo B. Jenkins, Jr., Ph.D., P.E.  
Purdue University  
Professor

William H. Pierce, Ph.D., M.D., P.E.  
Stanford University, Ph.D.  
University of Louisville, M.D.  
Professor



Donald J. Scheer, Ph.D., P.E.  
The Ohio State University  
Professor

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# Industrial Engineering

## Degree Programs

### **Bachelor of Science in Industrial Engineering (BSIE) and Master of Engineering in Industrial Engineering (MEngIE)**

These two degrees are managed as one fully integrated five-year engineering program. The MEngIE is accredited at the advanced level by ABET, Inc. This five-year BS/MEng program is unique in that it requires students to complete three full-semester cooperative internships as a degree requirement. The BSIE degree requires 132 credit hours and culminates in a senior Capstone Design Project in which students work in groups to solve real industrial engineering problems for a local company. The MEngIE involves 30 additional graduate hours, and culminates in a master's thesis, or master's thesis project.

### **Master of Science in Industrial Engineering (MSIE)**

The MSIE is a research degree that requires 30 hours of graduate courses and culminates with master's thesis, or master's thesis project. This program allows students with other academic backgrounds the opportunity to pursue a master's degree in the industrial engineering field. For more information, see the Graduate Catalog.

### **PhD in Industrial Engineering (PhDIE)**

The PhD is a research degree that requires 78 hours of post baccalaureate graduate credits (18 for the dissertation). The degree culminates with a successful doctoral dissertation defense before a panel of faculty scholars. This program allows students with other academic backgrounds the opportunity to pursue a PhD degree in the industrial engineering field. For more information, see the Graduate Catalog.

### **Master of Engineering in Engineering Management (MEngEM)**

The MEngEM is a professional degree offered by the Speed School of Engineering. It is a part-time, evening degree program open only to those students who have earned at least a bachelors degree from a college or university offering programs that are accredited by ABET, Inc. Students must also be actively engaged in full-time professional employment during the period of enrollment in the degree program. As a result of the evening classes and management focus, this program has successfully attracted a wide variety of practicing engineers (of all engineering disciplines) from the region. For more information, see the Graduate Catalog.

## Objectives and Outcomes

The objectives of the degree programs are to produce ethically responsible graduates who are:

- successful in the professional practice of industrial engineering,
- effective communicators and team players, and,
- involved in professional service and lifelong learning.

The faculty of the Department of Industrial Engineering actively monitors all aspects of the programs to ensure that the objectives are met and that graduates demonstrate the following 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 multi-disciplinary 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.

## **Faculty**

### **Department Chair**

John S. Usher, Ph.D., P.E.  
North Carolina State University

### **Professors**

Suraj M. Alexander, Ph.D., P.E., C.Q.E.  
Virginia Polytechnic Institute and State University

William E. Biles, Ph.D., P.E.  
Edward Reep Clark Chair of Computer-Aided Engineering  
Virginia Polytechnic Institute and State University

Gail W. DePuy, Ph.D.  
Georgia Institute of Technology

Gerald W. Evans, Ph.D.  
Purdue University

Sunderesh Heragu, Ph.D.  
George & Mary Lee Duthie Chair in Engineering Logistics  
University of Manitoba

Herman R. Leep, Ph.D., P.E.  
Purdue University

Mickey R. Wilhelm, Ph.D., P.E.  
Professor and Dean of J.B. Speed School of Engineering  
University of Alabama-Huntsville

### **Assistant Professor**

Naira Campbell-Kyureghyan

The Ohio State University

Lijian Chen  
Ohio State University

### **Associates**

Mahesh C. Gupta, Ph.D.  
University of Louisville  
Associate Professor of Management

Richard N. Germain, Ph.D.  
Michigan State University  
Associate Professor of Marketing  
Challenge for Excellence Chair in Supply Chain Management

Jon H. Rieger, Ph.D.  
Michigan State University  
Associate Professor of Sociology

### **Adjunct Associate Professor**

Todd Whyte, Ph.D.  
University of Louisville

### **Adjunct Instructors**

Jerry Stovall, ESQ, P.E.  
University of Louisville

Peter Tod Smyrichinsky  
University of Louisville

### **Emeritus Faculty**

Carol O'Connor Holloman, Ph.D.  
Bowling green State University  
Professor

Waldemar Karwowski, Ph.D., P.E., C.P.E.  
Texas Tech University  
Professor

Scherrill G. Russman, M.B.A.  
Indiana University  
Assistant Dean and Professor



# Mechanical Engineering

## Overview

Mechanical Engineering is the largest U.S. engineering discipline. It is also one of the most broadly based of all engineering disciplines. Areas of specialization include applied mechanics, engines and power plants, bioengineering, computer-aided analysis and design, instrumentation and control systems, fluid mechanics and heat transfer, heating, ventilating, and air conditioning systems, mechanical design, and environmental engineering.

Along with diverse areas of specialization comes a wide range of career paths. A mechanical engineer may work in the classical area of machine design conceiving and optimizing devices to perform any number of functions. He or she may also work as a computer analyst or experimentalist performing tasks in support of the product development process. Other functions may involve manufacturing process support, customer field service, technical sales, or technical management. Smaller companies often require engineers to function as generalists capable of performing a wide variety of tasks. In such cases the breadth, depth and rigor of their academic training is a tremendous asset for mechanical engineers. As the economy has become increasingly globalized, companies have found that the diverse knowledge base of mechanical engineers permits them to effectively adapt to ever-changing technical demands.

The University of Louisville Department of Mechanical Engineering offers Bachelor of Science (B.Sc.) and Master of Engineering (M.Eng.) degree programs emphasizing the study of mechanical design and product development, energy conversion and management, and computer-aided engineering. The programs consist of an integrated sequence of courses directed toward the solution of contemporary engineering problems. Program technical electives are selected in consultation with a faculty advisor to assure a curriculum balancing breadth and depth, theory and application, and analysis and design. The combined Bachelor of Science/Master of Engineering curriculum leading to the M.Eng. degree with specialization in Mechanical Engineering is accredited by the Engineering Accreditation Commission of ABET, Inc.

## Mission

The mission of the University of Louisville Mechanical Engineering Department is to supply quality academic instruction through undergraduate, graduate-professional, and graduate degree programs, conduct fundamental and applied research that achieves national and international recognition, and provide professional service to its constituencies, all in support of broad societal needs and the institutional objectives of the University of Louisville.

## Program Objectives

The educational objectives of the Mechanical Engineering Department's Master of Engineering Program are to:

- Provide a high quality education that prepares graduates to function successfully as mechanical engineers in industry.
- Equip students to contribute to the body of technical knowledge in the field of Mechanical Engineering through participation in projects that are aligned with University of Louisville research priorities.
- Prepare graduates for licensing as professional mechanical engineers.

- Promote an awareness among program graduates of the need for life-long technical learning and professional development.
- Provide students opportunities for the development of skills in leadership, communication and team-building.

## **Educational Outcomes**

Graduates of the Master of Engineering Program in Mechanical Engineering are required to demonstrate:

- The ability to apply knowledge of mathematics, science, and engineering to the solution of problems encountered in Mechanical Engineering practice.
- An ability to design and conduct experiments assessing phenomena encountered during Mechanical Engineering practice, along with the ability to analyze and interpret the resulting data.
- An ability to design Mechanical Engineering systems, components, or processes that meet desired needs.
- An ability to function on multidisciplinary teams in both leadership roles and as an individual contributor.
- The ability to identify and describe Mechanical Engineering problems, formulate constraints, devise and assess alternative approaches, and implement an optimal solution that satisfies specified performance, cost, time, and safety requirements.
- A solid understanding of professional and ethical responsibility in the field of Mechanical Engineering, as well as a record of adherence to those standards during academic coursework and cooperative education.
- The ability to communicate effectively in writing, during interpersonal discussions, and through formal multi-media presentations, along with the ability to use these skills within the context of Mechanical Engineering practice.
- An understanding of the impact of Mechanical Engineering solutions in a global and societal context.
- An understanding of the need for, and an ability to engage in lifelong learning.
- A knowledge of contemporary issues, along with a knowledge of how such issues influence technology evolution and implementation.
- An ability to use the techniques, skills, and modern engineering tools necessary for the practice of Mechanical Engineering.

In addition to the M.Eng. program, the Mechanical Engineering Department offers a Master of Science degree (M.S.M.E.) in Mechanical Engineering and a Doctor of Philosophy degree (Ph.D.) in Mechanical Engineering through the Graduate School. The Master of Science program may be more appropriate than the Master of Engineering degree for students not holding a mechanical engineering baccalaureate degree from the University of Louisville. The Ph.D. program provides an opportunity for students to complete advanced coursework and conduct independent research in one of a number of specialization areas. If interested in these programs, consult the Graduate School catalog for degree requirements and contact information.

## **Faculty**

### **Department Chair**

Glen Prater, Jr., Ph.D.  
Ohio State University



Professor  
Room 200, Sackett Hall

**Associate Chair**

Ellen G. Brehob, Ph.D.  
Pennsylvania State University  
Associate Professor

**Professors**

W. Geoffrey Cobourn, D.Sc.  
Washington University

Michael L. Day, Ph.D., P.E.  
Associate Dean  
Purdue University

William P. Hnat, Ph.D.  
University of Akron

Ronald A. Mann, Ph.D.  
University of Cincinnati



Peter Quesada, Ph.D.  
University of California at Berkeley

M. Keith Sharp, Sc.D., P.E.  
Massachusetts Institute of Technology

Julius P. Wong, Ph.D., P.E.  
Oklahoma State University

**Associate Professors**

Gina E. Bertocci, Ph.D.  
Endowed Chair of Biomechanics  
University of Pittsburgh

Roger Bradshaw, Ph.D.  
Northwestern University

Andrea L. Knox-Kelecy, Ph.D. (term)  
University of Wisconsin-Madison

Balaji Panchapakesan, Ph.D.  
University of Maryland



**Assistant Professors**

Lubov Andrusiv, Ph.D. (term)

University of Louisville

Thomas A. Berfield  
University of Illinois at Urbana-Champaign

Christopher M. Richards, Ph.D.  
The Ohio State University

Ali M. Shahhosseini, Ph.D. (term)  
Lamar University

### **Associates**

Amir Amini, Ph.D.  
University of Michigan  
Endowed Chair in Bio-Imaging  
Professor, Electrical and Computer Engineering

Andrea Gobin, Ph.D.  
Rice University  
Assistant Professor, Department of Bioengineering

Robert Keynton, Ph.D.  
University of Akron  
Professor and Chair, Department of Bioengineering

Shamus McNamara, Ph.D.  
University of Wisconsin-Madison  
Assistant Professor, Electrical and Computer Engineering

Palaniappan, Sethu, Ph.D.  
University of Michigan  
Assistant Professor, Department of Bioengineering

Michael J. Voor, Ph.D.  
Tulane University  
Associate Professor of Orthopaedic Surgery  
Associate in Anatomical Sciences and Neurobiology

### **Adjunct Professor**

Thomas R. Hanley, Ph.D.  
Virginia Tech

### **Adjunct Assistant Professors**

Claudia Angeli, Ph.D.  
Michigan State University

Joris Leijnse, Ph.D. (term)  
Erasmus University, Rotterdam

Surya S. Patel, M.D., Ph.D.  
University of Kentucky

**Emeritus Faculty**

Hsing Chuang, Ph.D., P.E.  
Colorado State University  
Professor

Robert L. Collins, Ph.D., P.E.  
Virginia Polytechnic Institute  
Professor

George C. Lindauer, Ph.D.  
University of Pittsburgh  
Professor

Robert E. Stewart, Ph.D.  
University of Waterloo  
Professor

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# Majors

A | B | C | D | E | F | G | H | I | J | L | M | N | O | P | R | S | T | U | W

## A

- Accountancy (BSB)
- Accountancy with Concentration in Information Security (BSB)
- Accountancy, Certificate in (CAC)
- Actuarial Mathematics (Minor)
- Administration of Justice (BS)
- Administration of Justice (Minor)
- Aerospace Studies (Minor)
- Anthropology with Concentration in Natural Sciences (BA)
- Anthropology with Concentration in Social Sciences (BA)
- Anthropology (Minor in Archaeology)
- Anthropology (Minor in Socio-Cultural Anthropology)
- Anthropology (Minor in Forensic Anthropology)
- Art (BA)
- Art: Fine Art (BFA)
- Art (Minor)
- Art Education (Teacher Certification)
- Art History (BA)
- Art History (Minor)
- Asian Studies (Minor)

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## B

- Bioengineering (BBE)
- Bioengineering (MEN)
- Biology (BA)
- Biology (BS)
- Biology (Minor)
- Business Administration (Minor)
- Business Administration in Accountancy (BSB)
- Business Administration in Accountancy with Concentration in Information Security (BSB)
- Business Administration in Computer Information Systems (BSB)
- Business Administration in Computer Information Systems with Concentration in Information Security (BSB)
- Business Administration in Equine Business (BSB)
- Business Administration in Finance (BSB)
- Business Administration in Management (BSB)
- Business Administration in Marketing (BSB)

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## C

- Chemical Engineering (BCH)
- Chemical Engineering (MEN)
- Chemistry (BA)
- Chemistry (BS)
- Chemistry with Concentration in Biochemistry (BS)
- Chemistry with Concentration in Business (BS)
- Chemistry (Minor)
- Chinese Studies (Minor)
- Civil Engineering (BCE)
- Civil Engineering (MEN)
- Classical Languages (Minor)
- Communication (BA)
- Communication (BS)
- Communication (Minor)
- Community Health (Minor)
- Computer Engineering and Computer Science (BCC)
- Computer Engineering and Computer Science (MEN)
- Computer Information Systems (BSB)
- Computer Information Systems with Concentration in Information Security (BSB)
- Cultural Performance (Minor)

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## **D**

- Dental Hygiene (BS)

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## **E**

- Early Elementary Education (Certification)
- Early Elementary Education (certification grades P-5) with Concentration in Early Childhood Education (Certification Birth to Age 5)(BSR)
- Early Elementary Education with Concentration in Interdisciplinary Early Childhood Education (BSR) Leading to Certification in Birth-Age 5 Only
- Early Elementary Education (Certification grades P-5) with Concentration in English (BSR)
- Early Elementary Education (Certification grades P-5) with Concentration in English as a Second Language (BSR)
- Early Elementary Education (Certification grades P-5) with Concentration in French (BSR)
- Early Elementary Education (Certification grades P-5) with Concentration in Learning and Behavior Disorders(Certification grades P-12) (BSR)
- Early Elementary Education (Certification grades P-5) with Concentration in Mathematics (BSR)

- Early Elementary Education (Certification grades P-5) with Concentration in Moderate and Severe Disabilities (certification grades P-12) (BSR)
- Early Elementary Education with Concentration in Science (BSR)
- Early Elementary Education with Concentration in Social Studies (BSR)
- Early Elementary Education with Concentration in Spanish (BSR)
- Economics (BA)
- Economics, Business (BSE)
- Economics (Minor)
- Electrical Engineering (BEE)
- Electrical Engineering (MEN)
- Engineering Management (MEN)
- English (BA)
- English (Minor)
- Entrepreneurship (Minor)
- Equine Business (BSB)
- Equine Business (Minor)
- Equine Business (Certificate in Equine Business)
- Exercise Science (Minor)

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## **F**

- Finance (BSB)
- Finance (Minor)
- Foreign Language (P-12 Teacher Certification)
- Foreign Literature (Minor)
- French (BA)
- French (Minor)

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## **G**

- Geography with Concentration in Environmental Analysis (BS)
- Geography with Concentration in GIS (BS)
- Geography with Concentration in Global and Regional Studies (BS)
- Geography with Concentration in Urban and Regional Analysis (BS)
- Geography (Minor)
- Geography (Minor in Environmental Analysis)
- Geography (Minor in Urban and Regional Analysis)
- Greek (Minor)

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## **H**

- Health and Human Performance Concentration in Exercise Science (BS)
- Health and Human Performance Concentration in Physical Education (BS)
- Health and Human Performance Concentration in Physical Education for Teacher Preparation (BS)
- Health and Human Performance Concentration in Public Health Education (BS)
- School Health Education (Minor)
- History with concentration in Humanities (BA)
- History with concentration in Social Sciences (BA)
- History (Minor)
- Humanities with concentration in Cultural Studies (BA)
- Humanities with concentration in Disciplinary Studies (BA)
- Humanities (Minor)

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## **I**

- Industrial Engineering (BIE)
- Industrial Engineering (MEN)
- International Business (Minor)
- Italian (Minor)

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## **J**

- Jewish Studies (Minor)

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## **L**

- Latin (Minor)
- Latin American Studies (Minor)
- Latino Studies (Minor)
- Liberal Studies (BA)

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## **M**

- Management (BSB)
- Management (Minor)
- Marketing (BSB)
- Marketing (Minor)
- Mathematics (BA)

- Mathematics (BS)
- Mathematics (Minor)
- Mathematics (Minor in Actuarial Mathematics)
- Mechanical Engineering (BMC)
- Mechanical Engineering (MEN)
- Middle East and Islamic Studies (Minor)
- Middle Grades Education (Certificate)
- Middle/Secondary with Education with Concentration in Biology (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Business and Marketing (grades 5-12) (BS)
- Middle/Secondary with Education with Concentration in Chemistry (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Earth and Space Science (grades 8-12) (BS)
- Middle/Secondary with Education with Concentration in English (grades 5-9)(BS)
- Middle/Secondary with Education with Concentration in English (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in French (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Health Education (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Mathematics (grades 5-9)(BS)
- Middle/Secondary with Education with Concentration in Mathematics (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Physical Education (grades P-12)(BS)
- Middle/Secondary with Education with Concentration in Physics (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Science (grades 5-9)(BS)
- Middle/Secondary with Education with Concentration in Social Studies (grades 5-9)(BS)
- Middle/Secondary with Education with Concentration in Social Studies (grades 8-12)(BS)
- Middle/Secondary with Education with Concentration in Spanish (grades P-12)(BS)
- Military Science (Minor)
- Music History (Minor)
- Music with Emphasis in Composition (BM)
- Music with Emphasis in Music General (BA)
- Music with Emphasis in Music History (BM)
- Music with Emphasis in Instrumental Performance (BM)
- Music with Emphasis in Jazz Performance (BM)
- Music with Emphasis in Jazz Studies (BA)
- Music with Emphasis in Music Education (Instrumental) (BM)
- Music with Emphasis in Music Education (Pre-Certification - Instrumental) (BM)
- Music with Emphasis in Music Education (Pre-Certification - Keyboard) (BM)
- Music with Emphasis in Music Education (Pre-Certification - Vocal) (BM)
- Music with Emphasis in Music Education (P-12) (Teacher Certification)
- Music with Emphasis in Music Education (Vocal) (BM)
- Music with Emphasis in Music Theory (BM)
- Music with Emphasis in Music Therapy (BM)
- Music with Emphasis in Organ Performance (BM)
- Music with Emphasis in Piano Performance (BM)
- Music with Emphasis in Piano Performance with concentration in Piano Pedagogy (BM)
- Music with Emphasis in Vocal Performance (BM)

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## N

- Nursing (Accelerated BSN Program for Second Degree Students) (BSN)
- Nursing (RN-BSN Program) (BSN)
- Nursing (Pre-Licensure Program)

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## O

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## P

- Pan-African Studies (BA)
- Pan-African Studies (BS)
- Pan-African Studies (Minor)
- Paralegal Studies (AA)
- Philosophy with concentration in Bioethics (BA)
- Philosophy with concentration in Humanities (BA)
- Philosophy with concentration in Social Sciences (BA)
- Philosophy (Minor)
- Physics (BA)
- Physics (BS)
- Physics (Minor)
- Police Executive Leadership Development (CPE)
- Political Science (BA)
- Political Science (Minor)
- Political Science with concentration in Law and Public Policy (BS)
- Political Science with concentration in Paralegal Studies (BS)
- Psychology with concentration in Natural Science (BA)
- Psychology with concentration in Social Science (BA)
- Psychology (BS)
- Psychology (Minor)

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## R

- Race/Gender Studies (Minor)
- Religious Studies (Minor)
- Russian Studies (Minor)

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## S

- School Health Education (Minor)
- Secondary Education (Certification)
- Social Change (Minor)
- Social Work (BS)
- Sociology (BA)

- Sociology (BS)
- Sociology (Minor)
- Spanish (BA)
- Spanish (Minor)
- Sport Administration (BS)
- Sport Administration (Minor)

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## T

- Theatre Arts (BS)
- Theatre Arts - African American Theatre (Minor)
- Theatre Arts (Minor)

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## U

- Urban and Regional Analysis (Minor)

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## W

- Women's and Gender Studies (BA)
  - Women's and Gender Studies (BS)
  - Women's and Gender Studies (Minor)
  - Workforce Leadership (BS)
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# Business Administration in Accountancy (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Accountancy**

Major: ACCY

Degree: BSB

Unit: College of Business (BU)

Department: Accountancy

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).

+ See general education requirements

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Accountancy Depth**

<b>Type</b>	<b>Hours</b>
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 411 Advanced Accounting Information Systems	3
ACCT 430 Auditing Theory and Practice	3
CIS 380 or MGMT 404	3
Accountancy Electives	6
Business Electives (not Accounting)	3
Arts & Sciences Electives	12
<b>Total</b>	<b>45</b>
<b>Minimum Total</b>	<b>126<sup>2</sup></b>

**Accountancy Electives: Choose any 6 hours**

Type	Hours
ACCT 353 Accounting for Not-for-Profit Organizations	3
ACCT 401 Advanced Accounting Problems	3
ACCT 415 Advanced Taxation	3
ACCT 420 Advanced Managerial Cost	3
Co-op in Accounting**	1-3

**\*\*Note:** Co-op may be taken over more than one semester. No more than 3 credit hours may count towards the degree. Co-op hours may not be combined with other academic hours.

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# **Business Administration in Accountancy with Concentration in Information Security (BSB)**

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Accountancy with Concentration in Information Security**

Major: ACCY

Concentration: IS

Degree: BSB

Unit: College of Business (BU)

Department: Accountancy

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).

See general education requirements in the General Information section of this Catalog.

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

+ See general education requirements in the General Information section of this Catalog.

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### **Programmatic Requirements of the COB**

<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Planning	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Accountancy Depth - Information Security Concentration**

<b>Type</b>	<b>Hours</b>
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 411 Advanced Accounting Information Systems	3
ACCT 430 Auditing Theory and Practice	3
CIS 380 or MGMT 404	3
Accountancy Electives	6
CIS 211 Operating Systems	3
CIS 360 Business Data Communications	3
CIS 480 Introduction to Network Security	3

CIS 481 Introduction to Information Security	3
CIS 482 Introduction to Cryptography	3
CIS 483 Introduction to Database Security	
Arts & Sciences Electives	12
<b>Total</b>	<b>60</b>
<b>Minimum Total</b>	<b>141<sup>2</sup></b>

**Accountancy Electives: Choose any 6 hours**

<b>Type</b>	<b>Hours</b>
ACCT 353 Accounting for Not-for-Profit Organizations	3
ACCT 401 Advanced Accounting Problems	3
ACCT 415 Advanced Taxation	3
ACCT 420 Advanced Managerial Cost	3
Co-op in Accounting**	1-3

**\*\*Note:** Co-op may be taken over more than one semester. No more than 3 credit hours may count towards the degree. Co-op hours may not be combined with other academic hours.

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# Accounting (CAC)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Certificate in Accounting

Major: ACCY

Degree: CAC

Unit: College of Business (BU)

Department: Accountancy

For those with non-accounting undergraduate degrees who are interested in an accounting career.

The University of Louisville's Certificate Program in Accounting is specifically designed to:

- develop the basic skills needed to pass the CPA exam, which is first and foremost in becoming a CPA
- teach advanced accounting skills to those with non-accounting undergraduate degrees
- meet the time demands of working professionals in a 21 credit hour curriculum taught by a faculty with significant real world accounting experience.

To enroll in the program, students must have completed Accounting 201 and 202 (Principles of Accounting) or their equivalents, have a bachelors degree from an accredited college or university, and a minimum cumulative GPA of 2.8 (on a 4.0 scale). Following is the course work required to obtain the certificate.

## Certificate Prerequisites

Type	Hours
Accounting 201-202	6
<b>Total</b>	<b>6</b>

## Certificate Requirements

Type	Hours
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 (ACCT 353, 401, 411, 415, 420) or co-op	3
<b>Minimum Total</b>	<b>21</b>

The required courses are typically offered each fall and spring semester, and may be offered in the summer sessions. Course prerequisites must be met prior to registration.

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# Actuarial Mathematics (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Actuarial Mathematics

Minor: MATA

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Mathematics 205-206, 301	12	
Mathematics 561	3	
Mathematics 570	3	
Mathematics 562 or 572	3	
<b>Minimum Total</b>		<b>21</b>

Note: 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.

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# Administration of Justice (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Administration of Justice**

Major: ADJ

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34
<b>Minimum Total</b>	<b>34</b>

 All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

### **Arts & Sciences Programmatic Requirements**

<b>Type</b>	<b>Hours</b>
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on language taken)	6-8
Electives in Humanities or Natural Sciences at 300 level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

### **Department of Justice Administration**

 Students must have a minimum of 50 hours at the 300 level or above.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

Type	Hours
Justice Administration 200 <sup>1</sup>	3
Justice Administration 201 <sup>1</sup>	3
Justice Administration 202 <sup>1</sup>	3
Justice Administration 305	3
Justice Administration 306	3
Justice Administration 325	3
Justice Administration 326	3
Justice Administration 360	3
Justice Administration 395	3
Justice Administration 485 <sup>2</sup>	3
Justice Administration electives	24
<b>Total</b>	<b>54</b>
(Justice Administration electives must be from approved departmental list at the 300 level or above. A minimum of 15 hours must be in Justice Administration, but may not exceed 30 hours)	
<b>Minimum Electives</b>	<b>18-20</b>
<b>Minimum Total</b>	<b>121</b>

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# Administration of Justice (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Administration of Justice

Minor: ADJ

Unit: College of Arts and Sciences (AS)

Department of Justice Administration

Type	Hours
Justice Administration 200	3
Justice Administration 201	3
Justice Administration 202	3
Justice Administration 305	3
Justice Administration 306	3
Justice Administration 360	3
Justice Administration elective at the 300 level or above	3
<b>Minimum Total</b>	<b>21</b>

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# Aerospace Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Aerospace Studies

Minor: AIRS

Unit: College of Arts and Sciences (AS)

Department: Aerospace Science

### Track I

For students with no prior military service:

Type	Hours
AIRS 101: Foundations of the U.S. Air Force I	1
AIRS 102: Foundations of the 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
Six hours to be chosen from the following:	6
HIST 314: History of American Foreign Relations	
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	
POLS 339: Terrorism	
3-6 hours in languages	
(in addition to any language requirement of the student's major)	
<b>Minimum Total</b>	<b>22</b>

### 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, 102, 201 and 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.

<b>Type</b>	<b>Hours</b>
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
Nine hours to be chosen from the following:	9
HIST 314: History of American Foreign Relations	
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	
POLS 339: Terrorism	
3-9 hours in languages (in addition to any language requirement of the student's major)	
<b>Minimum Total</b>	<b>21</b>

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# Anthropology with concentration in Natural Sciences (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Anthropology with concentration in Natural Sciences

Major: ANTH

Concentration: NSC

Unit: College of Arts and Sciences (AS)

Note: Admission to the Major in Anthropology requires a minimum grade point average of 2.0. Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Semester Hours Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see page 15 of this catalog for the General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>22</b>

### Department of Anthropology

Type	Hours
Anthropology 201 <sup>1</sup> , 202 <sup>1</sup> , 204 <sup>1</sup> , 448 <sup>2</sup>	12

Anthropology 371 <sup>2</sup> , 373 <sup>2</sup> , 376 <sup>2</sup> (select one)	3
Anthropology 315, 318, 319, 320, 321, 323, 324, 325, 328, 383 (select one)	3
Anthropology 304, 314, 316, 322, 329, 330, 353, 377 (select one)	3
Anthropology 303, 306, 307, 308, 327, 350, 351, 410 (select two)	6
Anthropology 309, 310, 311, 312, 313, 331, 332, 333 <sup>2</sup> , 334-341, 346 <sup>2</sup> , 352, 385, (select one)	3
Anthropology electives	6
<b>Minimum Total</b>	<b>36</b>

## Supporting Courses

Type	Hours
Electives in the Division of Natural Sciences, in addition to General Education, to bring total hours in Natural Sciences to 18, with no more than 12 hours in any one Department	11
<b>Minimum Electives</b>	<b>18</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Anthropology with concentration in Social Sciences (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Arts in Anthropology with concentration in Social Sciences**

Major: ANTH

Concentration: SSC

Unit: College of Arts and Sciences (AS)

Note: Admission to the Major in Anthropology requires a minimum grade point average of 2.0. Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

<b>Type</b>	<b>Total</b>
General Education	34

 All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

### **Arts & Sciences Programmatic Requirements**

<b>Type</b>	<b>Hours</b>
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>22</b>

### **Department of Anthropology**

<b>Type</b>	<b>Hours</b>
Anthropology 201 <sup>1</sup> , 202 <sup>1</sup> , 204 <sup>1</sup> , 448 <sup>2</sup>	12
Anthropology 371 <sup>2</sup> , 373 <sup>2</sup> , 376 <sup>2</sup> (select one)	3
Anthropology 315, 318, 319, 320, 321, 323, 324, 325, 328, 383 (select one)	3

Anthropology 304, 314, 316, 322, 329, 330, 353, 377 (select one)	3
Anthropology 303, 306, 307, 308, 327, 350, 351, 410 (select one)	3
Anthropology 309, 310, 311, 312, 313, 331, 332, 333 <sup>2</sup> , 334-341, 346 <sup>2</sup> , 352, 385, (select two)	6
Anthropology electives	6
<b>Minimum Total</b>	<b>36</b>

### Supporting Courses

Type	Hours
Electives in the Division of Social Sciences (other than Anthropology), of which 6 hours must be at 300 level or above	18
<b>Minimum Electives</b>	<b>11</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Archaeology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Archaeology

Minor: ARCH

Unit: College of Arts and Sciences (AS)

Department: Anthropology

## Department of Anthropology

Type	Hours
Anthropology 201 <sup>1</sup> , 202 <sup>1</sup> , 203 <sup>1</sup> , 204 <sup>1</sup> (select three)	9
Anthropology 311, 312, 327, 329, 330, 353, 376, 377 (select two)	6
Anthropology 304, 314, 320, 322, 339, 401 (select two)	6
<b>Minimum Total</b>	<b>21</b>

<sup>1</sup> Fulfills General Education requirement.

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# **Socio-Cultural Anthropology (Minor)**

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## **Minor in Socio-Cultural Anthropology**

Minor: ANTH

Unit: College of Arts and Sciences (AS)

Department: Anthropology

### **Department of Anthropology**

	<b>Type</b>	<b>Hours</b>
Anthropology 201, 202, 204		9
Anthropology 315, 318, 319, 320, 321, 323, 324, 325, 328, 383(select one)		3
Anthropology electives		9
<b>Minimum Total</b>		<b>21</b>

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# Forensic Anthropology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Forensic Anthropology

Minor: FORS

Unit: College of Arts and Sciences (AS)

Department: Anthropology

## Department of Anthropology

Type	Hours
Anthropology 202, 204, 327, 373, 410	15
Chemistry 201 or Biology 260 or 360	3
Two courses from: Anthropology 329, 350, 377, 401 Justice Administration 355, 425 Psychology 383	6
<b>Minimum Total</b>	<b>24</b>

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# Art (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Art

Major: ART

Degree: BA

Unit: College of Arts and Sciences (AS)

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. 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.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	

**Total** **22**

### Department of Fine Arts

Type	Hours
Art 105, 106, 115, 116	12
Art History 250 <sup>1</sup> , 270, 290 (Select 2)	6
Art History elective at the 300 level or above	3
Art 301, 305, 311, 321, 331, 341, 351, 361, 371, 381, 383, 390 (select 4)	12
<b>Minimum Total</b>	<b>33</b>

**Note:** A grade of C- or better is required in all 300-level courses in the major.

### Supporting Courses

Type	Hours
Humanities 591, 592, 593, 594, 595 or 596	3
Electives in Humanities disciplines, other than Art or Art History, at the 300 level or above	15
<b>Minimum Electives</b>	<b>14</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

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# Fine Art (BFA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Fine Arts in Art

Major: ART

Degree: BFA

Unit: College of Arts and Sciences (AS)

The B.F.A. 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 concentration, with a minimum grade point average of 3.0 in studio art courses. Students must maintain an overall grade point average of 2.25 or above to remain eligible for the BFA program.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>10</b>

## Department of Fine Arts

<b>Type</b>	<b>Hours</b>
Art 105, 106, 115, 116	12
Art History 250 <sup>1</sup> , 270, 290 (select 2)	6
Art History elective at the 300 level or above	6
Studio Art electives at the 300 level	6
Minimum electives in Studio Art or Art History at the 300 level or above to bring total hours in Art and Art History to 61	6-15
Studio Art Concentration (listed below)	16-25
<b>Minimum Total</b>	<b>60-61</b>

## **Concentrations**

Interior Architecture: (25 hours) - Art 561, 562, 563, 564, 565, 566, 567, 568, 596

Communication Art and Design: (21 hours) - Art 571, 572, 573, 574, 575, 576, 598

2-D Studios: (16 hours) - Art 501, 502, 505, 506, 517, 541, 542, 543, 551, 552, 553, 554, 555, 578 (select 5); and ART 597

3-D Studios: (16 hours) - Art 511, 521, 522, 523, 531, 532, 533, 534, 581, 582, 583, 584, (select 5); and ART 597

## **Supporting Courses**

<b>Type</b>	<b>Hours</b>
Humanities 591, 592, 593, 594, 595 or 596	3
Electives in Humanities disciplines, other than Art or Art History, at the 300 level or above	15
<b>Minimum Electives</b>	
[No electives are required in this program; students who fulfill general education requirements with courses in the major or supporting courses may have electives.]	
<b>Minimum Total</b>	<b>121</b>

At least 50 of the total minimum hours required must be at the 300 level or above.

A grade of C- or better is required in all 300 and 500-level courses in the major.

<sup>1</sup> Fulfills General Education requirement.

\*60 hours minimum total for Communication Art and Design concentration; 61 hours minimum total for all other concentrations.

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# Art (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Art

Minor: ART

Unit: College of Arts and Sciences (AS)

## Art

Type	Hours
Art 105, 106, 115, 116	12
Any four of the following courses:	12
Art 301	
Art 305	
Art 311	
Art 321	
Art 331	
Art 341	
Art 351	
Art 361	
Art 371	
Art 381	
Art 383	
Art 390	
<b>Minimum Total</b>	<b>24</b>

**Note:** Admission to the Minor in Art is on a space available basis.

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# Art (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Art

Minor: ART

Unit: College of Arts and Sciences (AS)

## Art

Type	Hours
Art 105, 106, 115, 116	12
Any four of the following courses:	12
Art 301	
Art 305	
Art 311	
Art 321	
Art 331	
Art 341	
Art 351	
Art 361	
Art 371	
Art 381	
Art 383	
Art 390	
<b>Minimum Total</b>	<b>24</b>

**Note:** Admission to the Minor in Art is on a space available basis.

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# Teaching Certification in Art Education (P-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Teaching Certification in Art Education (P-12)

Unit: College of Education and Human Development

Students interested in teacher certification first complete a baccalaureate degree in an appropriate academic field before entering the teacher certification program at the graduate level. Students must apply and be accepted into the Master of Arts in Teaching degree program in order to complete teacher certification.

The following courses are pre-requisites for application to the Master of Arts in Teaching degree in Art Education (P-12). They may be taken as part of the baccalaureate degree program. In addition to these courses, other application credentials must be submitted. For a complete listing of admission requirements and application deadlines, contact the College of Education and Human Development Advising Center.

### A Bachelor's degree including:

Type	Hours
Speech Communication (OR Speech Proficiency Exam)	3
Teaching major in Art	Minimum of 30 hours

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# Art History (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in Art History

Major: ARTH

Degree: BA

Unit: College of Arts and Sciences (AS)

All students wishing to major in the Department of Fine Arts specializing in art history must complete and submit a separate "Application for Admission" to the department. Admission is selective and enrollments may be limited. 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. 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.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	

**Total** **22**

## Department of Fine Arts

Type	Hours
Art History 250 <sup>1</sup> , 270, 290 (Select 2)	6

**Period/Area Courses** **12**

**Note:** Students must select one course from four of the following five areas. Of the total 27 hours in Art History, 15 hours must be at the 300 level and 6 hours must be at the 500 level.

Type	Hours
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### Ancient Period

Art History 351, 352, 353, 551, 552 or 553

### Medieval Period

Art History 362, 363, 364, 367, 561, 562 or 563

### Renaissance or Baroque Period

Art History 345, 371, 372, 373, 381, 382, 383, 571, 574 or 581

### Modern Period

Art History 341, 343, 344, 365, 391, 392, 393, 394, 395, 396, 397, 398, 591, 593, 595 or 597

### Asian Area

Art History 331, 335, 337, 339

Electives in Art History to bring minimum total to 27 hours 9

**Minimum Total** **27**

## Supporting Courses

Type	Hours
Humanities 591, 592, 593, 594, 595 or 596	3
Courses in Humanities disciplines other than Art or Art History, at 300 level or above	15
<b>Minimum Electives</b>	<b>20</b>
<b>Minimum Total</b>	<b>121</b>

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.

A grade of C- or better is required in all 300 and 500-level courses in the major.

<sup>1</sup> Fulfills General Education requirement.

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# Art History (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Art History

Minor: ARTH

Unit: College of Arts and Sciences (AS)

### Art History

	Type	Hours
Art History 250, 270, 290 (select 2)		6
Art History electives at 300 level, including no more than one from each of these areas: Ancient, Medieval, Renaissance and Baroque, Modern, and Asian		9
Art History elective at 500 level		3
<b>Minimum Total</b>		<b>18</b>

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# Asian Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Asian Studies

Minor: AST

Unit: College of Arts and Sciences (AS)

## Asian Studies

Type	Hours
Asian Studies 310	3
Electives in Humanities (excluding Asian languages)	6
Art History 290, 331, 337, 339, 531	
Chinese Studies: any course	
Humanities 307, 341, 342, 343, 345/WGST 345, 369	
Modern Languages 270	
Philosophy 315	
Theatre Arts 567	
Electives in Social Sciences	6
Geography 316, 590	
History 390, 396, 398, 399, 561, 591, 592	
Political Science 345, 362, 365, 366, 367, 437	
Electives in Language	3
(Any course in Chinese or Japanese language)	
<b>Minimum Total</b>	<b>18</b>

### Notes:

1. Many departments offer topics courses that may have an Asian focus, including Art History 342/542; Humanities 511, 512; Modern Languages 313; Women's and Gender Studies 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.
2. No more than 12 hours approved for the minor in Chinese Studies may also apply to the minor in Asian Studies.
3. 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.



# Bioengineering (BBE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Bioengineering

Major: BE

Degree: BBE

Unit: Speed School of Engineering (SS)

Department: Bioengineering

Students specializing in Bioengineering will complete the program outlined below: two semesters in Engineering Fundamentals and a further period of study in the Department of Bioengineering - ten semesters in Departmental Studies (for the Bachelor of Science degree) and professional 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 and a masters-level research project, culminating in the Master of Engineering degree. The curriculum in this degree program is structured to require that students develop skills and competency in Bioengineering, by applying engineering and science principals to biomedical and life sciences.

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
BE Core	
CHEM 202 <sup>1</sup> , 207 <sup>1 2</sup> , 208 <sup>1</sup> , 209 <sup>1</sup>	6
<b>Total</b>	<b>31</b>

## Departmental Studies

Courses	Hours
ENGR 201, 205, 307, 330	10
Engineering Fundamentals	
Department	

BE 101, 288, 289, 310, 360, 389, 420, 423, 430, 440, 450, 489, 491, 497	34
BE Electives XXX <sup>4</sup> , XXX <sup>4</sup> , XXX <sup>4</sup>	9
Speed/University	
BIOL 240, 329, 360	9
CEE 205	3
CHEM 341, 343	5
ECE 252	3
IE 360	3
ME 206, 251	6
PHYS 295, 299	5
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	12
COMM 111 <sup>2</sup> or 112 <sup>2</sup> or 115 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>105</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Bioengineering</b>	<b>136</b>

<sup>1</sup> Acceptance into the Department of Bioengineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

<sup>4</sup> The BE Electives must be chosen from the following approved list: BE 452, 453, 460, 480 or CECS 440.

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# Bioengineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Master of Engineering in Bioengineering

Major: BE

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Bioengineering

## Graduate Studies

<b>Courses</b>	<b>Hours</b>
BE 621, 691	7
BE Program Electives <sup>1</sup>	15
BE 697 M.Eng. Thesis <sup>23</sup>	6
ME 637	3
PHCI 621	2
<b>Total</b>	<b>33</b>

<sup>1</sup> A student specializing in BE is required to select five approved electives (500 or 600 Level) totaling at least 15 semester hours. By proper choice of these electives, a student may develop specific strengths in areas such as bioelectronics, biomedical devices, bioinformatics, bioimaging, biomechanics, rehabilitation engineering, molecular engineering, cellular engineering or tissue engineering. However, depending on faculty availability and other departmental needs, sufficient courses may not be offered in any one or two year period to allow a student to specialize in some of these areas. Therefore, these electives need not necessarily be BE courses, but the student's research advisor and academic advisor must approve non-Bioengineering courses from a list of appropriate engineering design and engineering science courses available in the BE Department.

<sup>2</sup> A full-time student is required to have selected both an approved M.Eng. thesis topic and the director and members of the thesis committee during the first term of Graduate Studies. Six (6) semester hours of BE 697 are required to satisfy the minimum M.Eng. thesis requirements.

<sup>3</sup> A non-thesis option is available.

<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Bioengineering</b>	<b>136</b>
<b>Graduate Studies</b>	<b>33</b>



# **Biology (BA)**

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Arts in Biology**

Major: BIOL

Degree: BA

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## **General Education**

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## **Arts & Sciences Programmatic Requirements**

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Social Sciences at the 300-level or above (in addition to courses counted toward General Education)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>22</b>

## **Department of Biology**

Type	Hours
Biology 240 <sup>1</sup> , 242 <sup>1</sup> , 244 <sup>1</sup> , 329, 330-331, 363	19
*Biology Electives	19
<b>Minimum Total</b>	<b>38</b>

## Supporting Courses

Type	Hours
Chemistry 201 <sup>1</sup> , 202, 207, 208, 209, 341, 342, 343, 344	19
Mathematics 180 <sup>1</sup> or 205	3-4
Biology 350 or advisor-approved statistics course	3
<b>Minimum Electives</b>	<b>1-2</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

**\*Note:** Biology 102, 104, 257, 258, 260, 261, 262 and 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.

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# Biology (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Biology

Major: BIOL

Degree: BS

Unit: College of Arts and Sciences (AS)

Department: Biology

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on language taken)	6-8
Electives in Humanities or Social Sciences at the 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

## Department of Biology

Type	Hours
Biology 240 <sup>1</sup> , 242 <sup>1</sup> , 244 <sup>1</sup> , 329, 330-331, 363	19

Completion of one of the concentrations below 15-19

\*Biology Electives

(to reach minimum total of 48 hours in Biology) 10-14

Completion of one of the concentrations below 15-19

**Minimum Total 48**

### **Genetics/Subcellular (16-17 hours)**

<b>Type</b>	<b>Hours</b>
Biology 416, 516, 404, or 406	3-4
Biology 542 or 415	3
Biology 540 or Chemistry 445	3
Biology 336, 400, or 485	4
Biology 465	3

### **Cellular/Physiology (15-18 hours)**

<b>Type</b>	<b>Hours</b>
Biology 465	3
Biology 336, 347, 348, 357, 358, 400, 409, 415, 485, 512, 513 (select 3)	9-12
Biology 540 or Chemistry 445	3

### **Ecology (17-19 hours)**

<b>Type</b>	<b>Hours</b>
Biology 401 and 402	5
Biology 409	3
Biology 310, 372, 410, 440, 510, 515, 522, 524, 552, 560, 562, 567, 572 (select two)	6-8
Biology 305, 308, 485, 514, 519 (select one)	3

### **Supporting Courses**

<b>Type</b>	<b>Hours</b>
Mathematics 205 <sup>1</sup>	4
Biology 350 or advisor-approved statistics course	3
Chemistry 201 <sup>1</sup> , 202, 207, 208, 209, 341, 342, 343, 344	19
One of the following sequences...	
1. Physics 221, 222, 223, 224	8
or 2. Geosciences 301 and any two from the following:	9
Geosciences 363, 365, and 367 OR Geography 355 and 357	

**Minimum Electives** [No electives are required in this program; students who fulfill mathematics and science General Education requirements with courses in the major or supporting courses may have elective hours.]

**Minimum Total**

<sup>1</sup> Fulfills General Education requirement.

**\*Note:** Biology 102, 104, 257, 258, 260, 261, 262 and 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.

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# Biology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Biology

Minor: BIOL

Unit: College of Arts and Sciences (AS)

### Department of Biology

Type	Hours
Biology 240 <sup>1</sup> , 242 <sup>1</sup> , 244 <sup>1</sup> , 329, 330-331, 363	19
Electives in Biology	2
<b>Minimum Total</b>	<b>21</b>

<sup>1</sup> Fulfills General Education requirement.

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# Business Administration (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Business Administration

Minor: BA

Unit: College of Business

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 pursue a minor in business the student must have completed 51 or more semester hours, which includes ECON 201 and 202, with a cumulative grade point average of 2.8 or higher. Students must complete and have a grade point average of 2.8 or higher in the business program prerequisites to be permitted to pursue the business program core. Upon completion of the admission requirements and formal application, the student is admitted into the Business 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 Prerequisites

Type	Hours
CIS 100 Microcomputer Applications	3
MGMT 201 Business Statistics or equivalent	3
ACCT 201 Principles of Accounting I	3
ACCT 202 Principles of Accounting II	3
<b>Total</b>	<b>12</b>

### Program Core

Type	Hours
MGMT 301 Management and Org. Behavior	3
MKT 301 Principles of Marketing	3
FIN 301 Corporate Finance	3
CIS 300 Computer Information Systems	3
Business Elective	3
<b>Total</b>	<b>15</b>
<b>Minimum Total</b>	<b>27</b>

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# Business Administration in Accountancy (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Accountancy**

Major: ACCY

Degree: BSB

Unit: College of Business (BU)

Department: Accountancy

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).

+ See general education requirements

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Accountancy Depth**

<b>Type</b>	<b>Hours</b>
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 411 Advanced Accounting Information Systems	3
ACCT 430 Auditing Theory and Practice	3
CIS 380 or MGMT 404	3
Accountancy Electives	6
Business Electives (not Accounting)	3
Arts & Sciences Electives	12
<b>Total</b>	<b>45</b>
<b>Minimum Total</b>	<b>126<sup>2</sup></b>

**Accountancy Electives: Choose any 6 hours**

Type	Hours
ACCT 353 Accounting for Not-for-Profit Organizations	3
ACCT 401 Advanced Accounting Problems	3
ACCT 415 Advanced Taxation	3
ACCT 420 Advanced Managerial Cost	3
Co-op in Accounting**	1-3

**\*\*Note:** Co-op may be taken over more than one semester. No more than 3 credit hours may count towards the degree. Co-op hours may not be combined with other academic hours.

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# **Business Administration in Accountancy with Concentration in Information Security (BSB)**

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## **Bachelor of Science in Business Administration in Accountancy with Concentration in Information Security**

Major: ACCY

Concentration: IS

Degree: BSB

Unit: College of Business (BU)

Department: Accountancy

 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).

See general education requirements in the General Information section of this Catalog.

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

 + See general education requirements in the General Information section of this Catalog.

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### **Programmatic Requirements of the COB**

<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Planning	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Accountancy Depth - Information Security Concentration**

<b>Type</b>	<b>Hours</b>
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 411 Advanced Accounting Information Systems	3
ACCT 430 Auditing Theory and Practice	3
CIS 380 or MGMT 404	3
Accountancy Electives	6
CIS 211 Operating Systems	3
CIS 360 Business Data Communications	3
CIS 480 Introduction to Network Security	3

CIS 481 Introduction to Information Security	3
CIS 482 Introduction to Cryptography	3
CIS 483 Introduction to Database Security	
Arts & Sciences Electives	12
<b>Total</b>	<b>60</b>
<b>Minimum Total</b>	<b>141<sup>2</sup></b>

**Accountancy Electives: Choose any 6 hours**

Type	Hours
ACCT 353 Accounting for Not-for-Profit Organizations	3
ACCT 401 Advanced Accounting Problems	3
ACCT 415 Advanced Taxation	3
ACCT 420 Advanced Managerial Cost	3
Co-op in Accounting**	1-3

**\*\*Note:** Co-op may be taken over more than one semester. No more than 3 credit hours may count towards the degree. Co-op hours may not be combined with other academic hours.

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# Business Administration in Computer Information Systems (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Business Administration in Computer Information Systems

Major: CIS

Degree: BSB

Unit: College of Business (BU)

Department: Computer Information Systems

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9) 6
<b>Total</b>	<b>28 (34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>2</sup> *(completes Math Gen Ed)	7
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 303 or 306	3
BUS 201 Career Development	1

Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>36</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Computer Information Systems Depth**

<b>Type</b>	<b>Hours</b>
CIS 199 Software Development I	3
CIS 200 Software Development II	3
CIS 202 Software Development III	3
CIS 215 Introduction to CIS	2
CIS 211 Operating Systems	3
CIS 310 Database Design	3
CIS 320 Systems Analysis and Design	3
CIS 360 Business Data Communications	3
CIS 410 Mgmt. of Information Systems	3
CIS 415 Careers in Information Systems	1
CIS 420 CIS Development Project	3
CIS Electives	6
CIS Co-op <sup>1</sup>	6
Arts & Sciences Electives	6
<b>Total</b>	<b>48</b>
<b>Minimum Total</b>	<b>129<sup>3</sup></b>

<sup>1</sup> 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 398).

<sup>2</sup> Math 205 must be taken as a required math course for all CIS majors. Its prerequisite(s) MATH 111-112 or MATH 190 may be used as an Arts and Sciences elective(s).

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\*\*All prerequisites must be followed (see undergraduate catalog).

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# Business Administration in Computer Information Systems with Concentration in Information Security (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Business Administration in Computer Information Systems with Concentration in Information Security

Major: CIS

Concentration: Information Security

Degree: BSB

Unit: College of Business (BU)

Department: Computer Information Systems

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9) 6
<b>Total</b>	<b>28 (34 )</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>2</sup> *(completes Math Gen Ed)	7
Logic, Phil 311 or 312	3

Ethics, Phil 222, 225, 321 or 323	3
English 303 or 306	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>36</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Computer Information Systems Depth**

<b>Type</b>	<b>Hours</b>
CIS 199 Software Development I	3
CIS 200 Software Development II	3
CIS 202 Software Development III	3
CIS 215 Introduction to CIS	2
CIS 211 Operating Systems	3
CIS 310 Database Design	3
CIS 320 Systems Analysis and Design	3
CIS 360 Business Data Communications	3
CIS 410 Mgmt. of Information Systems	3
CIS 415 Careers in Information Systems	1
CIS 420 CIS Development Project	3
CIS 480 Intro. to Network Security	3
CIS 481 Intro. to Information Security	3
CIS 482 Intro. to Cryptography	3
CIS 483 Intro. to Database Security	3
CIS Co-op <sup>1</sup>	3
Arts & Sciences Electives	3
<b>Total</b>	<b>48</b>
<b>Minimum Total</b>	<b>129<sup>3</sup></b>

<sup>1</sup> Co-operative Education is a curriculum requirement for six (6) months full time employment for three (3) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

<sup>2</sup> Math 205 must be taken as a required math course for all CIS majors. Its prerequisite(s) MATH 111 & 112 or MATH 190 may be used as an Arts and Sciences elective(s).

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\*\*All prerequisites must be followed (see undergraduate catalog).

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# Business Administration in Equine Business (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Equine Business**

Major: EQIN

Degree: BSB

Unit: College of Business (BU)

Department: Economics

Program: Equine Industry Program

 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.

+ See general education requirements in the General Information section of this Catalog.

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### **Programmatic Requirements of the COB**



<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>

Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Minimum Total</b>	<b>18</b>

### **Equine Business Depth**

<b>Type</b>	<b>Hours</b>
EQIN 101 Equine Management	3
EQIN 202 Horse Industry Overview	3
EQIN 302 Equine Economics	3
EQIN 304 Equine Marketing	3
EQIN 313 Equine Commercial Law	3
EQIN 401 Equine Taxation	2
EQIN 402 Enterprise Analysis and Production Management	3
EQIN 403 Equine Financial Management	3
EQIN 404 Current Equine Issues	3
EQIN 499 Independent Study or specified business elective <sup>2</sup>	3
EQIN Electives (EQIN 203, 205, 206, 301, 303, 398, 406, 490)	1-3
Business or Equine Elective (300-400 level)	3
Arts and Sciences Electives	12
*EQIN 398 Co-op in Equine (must have at least 3.0 GPA; optional course)	
<b>Minimum Total</b>	<b>126<sup>3</sup></b>

\*\* All prerequisites must be followed (see undergraduate catalog).

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Students may select one of the following courses instead of the Independent Study: ACCT 353, ACCT 401, ECON 401, ECON 402, ENTRE 401 (must be admitted to ENTRE Minor) FIN 401, FIN 402, FIN 414, FIN 441, FIN 450, MGMT 405, MGMT 441, or MKT 441

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated with the degree program.

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# Business Administration in Finance (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Finance (BSB)**

Major: FIN

Degree: BSB

Unit: College of Business (BU)

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.

+ See general education requirements in the General Information section of this Catalog.

## **University wide General Education**

Type	Semester Hours	Total
English 101 and 102	6	
Comm 111, 112, 115, PolS 111, or WGST 203	3	
Math (See Programmatic Req.)	*(3)	
+ Natural Sciences	7	
+ Arts & Humanities	6	
+ Social & Behavioral Sciences	*(9)	6
Total		28 (34)

\* Note: Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

## **Programmatic Requirements of the COB**

Type	Semester Hours	Total
Camp 100 Campus Culture	1	
Mathematics 107; 111 or 205 <sup>1*</sup> (completes Math Gen Ed)	6	<sup>2</sup>
Logic, Phil 311 or 312	3	
Ethics, Phil 222, 225, 321 or 323	3	
English 306 Business Writing	3	

BUS 201 Career Planning	1	
Accounting 201-202	6	
Economics 201-202* (Completes 3 hours of Soc. & Beh. Sci)	6	
Management 201 (Statistics)	3	
CIS 100 Microcomputer Applications	3	
Total		35

### Business Breadth

Type	Semester Hours	Total
FIN 301 Corporate Finance	3	
MKT 301 Principles of Marketing	3	
MGMT 301 Management and Org. Behavior	3	
CLAW 301 Legal Environment of Business	3	
CIS 300 Computer Information Systems	3	
MGMT 401 Operations Management	3	
Total		18

### Finance Depth

Type	Semester Hours	Total
ACCT 301 Intermediate Accounting	3	
FIN 304 Financial Statement Analysis	3	
FIN 370 International Finance	3	
FIN 401 Investments	3	
FIN 414 Econ. Anal. & Forecasting	3	
FIN 433 Financial Markets and Institutions	3	
FIN 475 Capstone in Finance	3	
FIN Elective**	6	
Arts and Sciences Electives	18	
Total		45

### Minimum Total 126<sup>3</sup>

<sup>1</sup> For students with strong high school mathematics backgrounds, and for students who intend to pursue graduate work in finance, Mathematics 205-206 is recommended. Math 206 may be used for Math 107.

<sup>2</sup> If Math 205-206 is taken, there will be 8 total hours of math.

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\* Co-operative Education is an elective curriculum option for up to six (6) hours of credit. Pass/Fail

credit is given for approved COB co-op work experiences. Participation in the COB Co-op program is encouraged to strengthen the B.S.B.A. degree for enhanced student marketability.

**\*\*\*All prerequisites must be followed (see undergraduate catalog).**

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# Business Administration in Management (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## **Bachelor of Science in Business Administration in Management (BSB)**

Major: MGMT

Degree: BSB

Unit: College of Business (BU)

**The Department of Management and Entrepreneurship has suspended the Management major. Students currently enrolled in the major must complete the degree requirements no later than Spring 2014. Students admitted to the University prior to Spring 2009 should consult the management advisor about program offerings to ensure timely completion of degree requirements.**



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# Business Administration in Marketing (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Business Administration in Marketing (BSB)

Major: MKT

Degree: BSB

Unit: College of Business (BU)

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Semester Hours	Total
English 101 and 102	6	
Comm 111, 112, 115, PolS 111, or WMST 203	3	
Math (See Programmatic Req.)	*(3)	
+ Natural Sciences	7	
+ Arts & Humanities	6	
+ Social & Behavioral Sciences	*(9)6	
<b>Total</b>		<b>28 (34)</b>

\* Note: Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Semester Hours	Total
Camp 100 Campus Culture	1	
Mathematics 107; 111 or 205 * (completes Math Gen Ed)	6 <sup>1</sup>	
Logic, Phil 311 or 312	3	
Ethics, Phil 222, 225, 321, or 323	3	
English 306 Business Writing	3	
BUS 201 Career Development	1	
Accounting 201-202	6	
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6	
Management 201 (Statistics)	3	

CIS 100 Microcomputer Applications	3	
<b>Total</b>		<b>35</b>

### Business Breadth

Type	Semester Hours	Total
FIN 301 Corporate Finance	3	
MKT 301 Principles of Marketing	3	
MGMT 301 Management and Org. Behavior	3	
CLAW 301 Legal Environment of Business	3	
CIS 300 Computer Information Systems	3	
MGMT 401 Operations Management	3	
<b>Total</b>		<b>18</b>

### Marketing Depth

Type	Semester Hours	Total
MKT 350 Consumer Behavior	3	
MKT 360 Professional Relationship Selling	3	
MKT 441 Marketing Research	3	
MKT 460 Integrative Marketing Strategy	3	
Marketing Electives*	12	
Business Electives (not Marketing)	6	
Arts and Sciences Electives	12	
<b>Total</b>		<b>42</b>

**Minimum Total 123<sup>2</sup>**

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of Math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\* 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. A maximum of three (3) co-op credits may be taken in any ne semester. Pass/Fail credit is given for approved College of Business co-op work experiences.

\*\* All prerequisites must be followed (see undergraduate catalog).

# Chemical Engineering (BCH)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Chemical Engineering

Major: CHE

Degree: BCH

Unit: Speed School of Engineering

Department: Chemical Engineering

Students specializing in Chemical Engineering will complete the program outlined below. Two semesters in Engineering Fundamentals are followed by a further period of study in the Department of Chemical Engineering. This is comprised of nine semesters in Departmental Studies (for the Bachelor of Science degree) and 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 that is accredited by the Engineering Accreditation Commission of ABET, Inc.

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
CHE Core	
CHEM 202 <sup>1</sup> , 207 <sup>1 2</sup> , 208 <sup>1</sup> , 209 <sup>1</sup>	6
<b>Total</b>	<b>31</b>

## Departmental Studies

Courses	Hours
Engineering Fundamentals	
ENGR 201, 205, 307	8
Department <sup>4</sup>	
CHE 251, 253, 288, 289, 305, 311, 312, 331, 389, 401, 430, 434, 435, 436, 441, 461, 471, 485, 486, 489, 572	55
Speed/University	

Advanced Chemistry Elective <sup>5</sup>	3
CHEM 341, 343	5
Computer Literacy <sup>6</sup>	0
IE 360	3
PHYS 295, 296, 299	6
Science Elective <sup>7</sup>	3
PHIL 222 <sup>2 8</sup> , 225 <sup>8</sup> , 321 <sup>8</sup> , 323 <sup>8</sup> , or 328 <sup>8</sup>	3
Free Electives	3-6 <sup>9</sup>
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	9-12 <sup>9</sup>
COMM 111 <sup>2</sup> or 112 <sup>2</sup> or 115 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>107</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Chemical Engineering</b>	<b>138</b>

<sup>1</sup> Acceptance into the Department of Chemical Engineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

<sup>4</sup> A student may accumulate no more than three "D" grades in CHE prefixed courses. Any additional "D" grades beyond three must be repeated, according to the "Repetition of Courses" regulation. If a student accumulates more than one "D" in any one year of the program, it is strongly recommended that s/he repeat one or more of those courses to earn a better grade before proceeding to the next course in the sequence.

<sup>5</sup> Select one course from the following list: CHEM 342, 445, 450, 515, 527, 545, 550, 557, 562, 576 or CHE 402, 502, 532, 550, 551, 581, 653 (an undergraduate student must receive permission from the department chair in order to enroll in a 600-level course). The course so chosen cannot be a course, or courses, which have been counted elsewhere, in whole or in part, as part of the BSCHE or MEngCHE degree programs.

<sup>6</sup> Students are expected to have an adequate background in PC applications (word processing, spreadsheets) before taking CHE 251 and 305. Students lacking word processing and spread-sheeting capabilities are recommended to take CIS 100. It is the student's responsibility to ensure adequate computer background.

<sup>7</sup> Select one course from the following list: BIOL 240, 242, 257, 263, 301, 329, 330, or CHEM 342, 445,

450 or PHYS 220, 300, or GEOS 201, 220, 301, 305, 360, 363, 365, 370.

<sup>8</sup> This course satisfies the departmental requirement of having an “Ethics” course; only PHIL 222 is accepted for the General Education content requirement in Humanities. Any of the other listed courses may be counted as a “Free Elective”.

<sup>9</sup> The number of hours depends on how the “Ethics” requirement<sup>8</sup> is satisfied. If PHIL 222 is taken, 9 additional hours of Arts/CD/Hum/SBS Electives are required along with 6 hours of Free Electives; if either PHIL 225, 321, 323, or 328 is taken, 12 hours of Arts/CD/Hum/SBS Electives are required, leaving only 3 hours of Free Electives.

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# Chemical Engineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Master of Engineering in Chemical Engineering

Major: CHE

Degree: MEN

Unit: Speed School of Engineering

Department: Chemical Engineering

The Bachelor of Science in Chemical Engineering degree will provide a student with the basis to be able to complete the Master of Engineering in Chemical Engineering degree.

In addition to the overall GPA of 2.50 for unconditional admission, the following additional requirements are in place. Undergraduate grade point average of 2.50 for all CHE prefixed course work completed. Higher studies applicants who lack a 2.75 GPA overall, and/or a 2.75 GPA in CHE coursework, will, in general, not be accepted until grades are available for all their undergraduate CHE courses. An applicant who has earned more than one D grade in a CHE prefix course will not be admitted to Higher Studies until any excess D grades have been improved.

The Master of Chemical Engineering degree requires the following over and above the Bachelor of Science in Chemical Engineering Degree.

### Graduate Studies<sup>1</sup>

Courses	Hours
CHE 595, 610, 620, 641, 686, XXX <sup>2</sup> , XXX <sup>2</sup> , XXX <sup>2</sup> , XXX <sup>2</sup>	25
Thesis Alternative - CHE 697 <sup>3</sup>	
or	6
Course Work And Project Alternative - CHE 698, 699 <sup>4</sup>	
<b>Total</b>	<b>31</b>

<sup>1</sup> A student entering Graduate Studies will be required to select either the thesis alternative path or the course work and project alternative path for the degree program.

<sup>2</sup> A student specializing in CHE is required to select four approved electives (500 or 600 level) totaling at least 12 semester hours. By proper choice of these electives, a student may develop specific strengths in areas such as materials, process control, mass transfer and separations, pollution prevention, or bioengineering. However, depending on faculty availability and other departmental needs, sufficient courses may not be offered in any one or two year period to allow a student to specialize in some of these areas. These electives need not necessarily be Chemical Engineering courses, but the student's research advisor and academic advisor must approve non-Chemical Engineering courses.

<sup>3</sup> A regularly enrolled student selecting the thesis alternative is required to select both an approved M.Eng. thesis topic and the members of the thesis committee during the first term of Graduate Studies. Six (6) semester hours of CHE 697 are required to satisfy the minimum M.Eng. thesis requirements.

<sup>4</sup> A student selecting the course work alternative will substitute CHE 698 and CHE 699 for 6 hours of MEng thesis.

<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Chemical Engineering</b>	<b>138</b>
<b>Graduate Studies</b>	<b>31</b>
<b>Master of Engineering in Chemical Engineering</b>	<b>169</b>

### **Master of Science Program in Chemical Engineering**

The Department also offers a program leading to the Master of Science degree in Chemical Engineering. This program is intended for persons having an accredited baccalaureate degree in chemical engineering from another institution, but is available to those with other backgrounds. Remedial work may be specified for those applicants who, in the opinion of the faculty, are not sufficiently prepared to study advanced chemical engineering (e.g., B.S. biologists, chemists, physicists); one or more years of undergraduate courses may be required. Students interested in the Master of Science degree program should consult the Graduate Catalog or the Graduate Student Advisor of the Department of Chemical Engineering.

### **Ph.D. Program in Chemical Engineering**

The Department also offers a program leading to the Doctor of Philosophy degree in Chemical Engineering. This program is intended for persons having an accredited master and/or baccalaureate degree in chemical engineering from U of L or another institution, but is available to those with other backgrounds. Remedial work may be specified for those applicants who, in the opinion of the faculty, are not sufficiently prepared to study advanced chemical engineering (e.g., B.S. biologists, chemists, physicists); one or more years of undergraduate courses may be required. Students interested in the Ph.D. degree program should consult the Graduate Catalog or the Graduate Student Advisor of the Department of Chemical Engineering.

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# Chemistry (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Chemistry

Major: CHM

Degree: BA

Unit: College of Arts and Sciences (AS)

The B.A. degree in chemistry is designed for students who want a more general education than is possible in the B.S. 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.

## General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above <sup>2</sup> (may be incorporated into other degree requirements)	
<b>Total</b>	<b>22</b>

## Department of Chemistry

Type	Hours
Chemistry 201 <sup>1</sup> - 202, 207 <sup>1</sup> - 210	10
Chemistry 341-342, 343-344	10
Chemistry 441, 470 <sup>2</sup>	5
Chemistry 527 <sup>2</sup>	3
Chemistry electives at advanced level <sup>3 4</sup>	11

**Minimum Total** **39**

### **Supporting Courses**

<b>Type</b>	<b>Hours</b>
Mathematics 205 <sup>1</sup> , 206	8
Physics 221 <sup>1</sup> , 222, 223, and 224; or Physics 295-296 and 298 <sup>1</sup> - 299	8-10
<b>Minimum Total</b>	<b>16-18</b>

**Minimum Total** <sup>5</sup> **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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Chemistry 470 plus 3 semester hours from one of the following courses will fulfill the WR requirement: Chemistry 390, Chemistry 420, English 303, English 306.

<sup>3</sup> Independent Study may not be used for this requirement.

<sup>4</sup> Electives include CHEM 320, 430, 445, 450, 515, 528, 529, 545, 546, 547 undergraduate research (390, 391-2; 491-2; 3 hrs. maximum) or cooperative internship (420; 3 hrs. maximum). With the consent of the instructor(s), graduate level courses in Chemistry may also be used to fulfill these requirements.

<sup>5</sup> Includes some credit for courses in the major, or in supporting courses, that meet General Education requirements.

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# Chemistry (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Chemistry

Major: CHM

Degree: BS

Unit: College of Arts and Sciences (AS)

The B.S. degree 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.

## General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on language taken)	6-8
Electives in Humanities or Social Sciences at the 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above <sup>2</sup> (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

## Department of Chemistry

Type	Hours
Chemistry 201 <sup>1</sup> - 202, 207 <sup>1</sup> - 210	10
Chemistry 341-342, 343-344	10
Chemistry 465-466, 470 <sup>2</sup>	8
Chemistry 445	3
Chemistry 450	3
Chemistry 515	3

Chemistry 527	3
Chemistry 528, 529	6
Undergraduate Research or Cooperative Internship	3
<b>Minimum Total</b>	<b>49</b>

### Supporting Courses

Type	Hours
Mathematics 205 <sup>1</sup> , 206 and 301	12
Physics 221 <sup>1</sup> - 224 or 295 <sup>1</sup> - 296 and 298 <sup>2</sup> - 299	8-10
Elective in Mathematics, Physics, or Chemistry at 300 level or above	3
Elective in Natural Sciences Division, other than Chemistry, at the 300 level or above <sup>3</sup>	3
<b>Total</b>	<b>26-28</b>
<b>Minimum Electives</b> [No electives are required in this program; students who fulfill mathematics and science General Education requirements with courses in the major or supporting courses may have elective hours.]	
<b>Minimum Total<sup>4</sup></b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Chemistry 470 plus 3 semester hours from one of the following courses will fulfill the WR requirement: Chemistry 390, Chemistry 420, English 303, English 306.

<sup>3</sup> One or both of Mathematics 325 or Mathematics 405 are strongly recommended.

<sup>4</sup> Includes some credit for courses in the major, or in supporting courses, that meet General Education requirements.

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# Chemistry with a Concentration in Biochemistry (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Chemistry with concentration in Biochemistry

Major: CHM

Concentration: BIOC

Degree: BS

Unit: College of Arts and Sciences (AS)

This degree is designed to prepare students for a career that combines both chemistry and modern biology.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on language taken)	6-8
Electives in Humanities or Social Sciences at the 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above <sup>2</sup> (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

### Department of Chemistry

Type	Hours
Chemistry 201 <sup>1</sup> - 202, 207 <sup>1</sup> - 210	10
Chemistry 341-342, 343-344	10
Chemistry 465-466, 470 <sup>2</sup>	8

Chemistry 527	3
Chemistry 545, 547	6
Chemistry 546	2
Undergraduate Research or Cooperative Internship	3
<b>Minimum Total</b>	<b>42</b>

### Supporting Courses

Type	Hours
Biology 329, 330, 331, 542	11
Chemistry or Biology electives from the following list (at least 6 hours of which must be in Chemistry): Biology 357 or 485, 358, 400, 465, 516; Chemistry 430, 450, 515, 528, 529, 557 <sup>4</sup>	7-9
Mathematics 205 <sup>1</sup> , 206, 301	12
Physics 221 <sup>1</sup> , 222, 223 and 224 or 295 - 296, 298 <sup>2</sup> - 299	8-10
<b>Total</b>	<b>38-42</b>
No electives are required in this program; students who fulfill mathematics and science General Education requirements with courses in the major or supporting courses may have elective hours.	
<b>Minimum Total<sup>3</sup></b>	<b>122-124</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Chemistry 470 plus 3 semester hours from one of the following courses will fulfill the WR requirement: Chemistry 390, Chemistry 420, English 303, English 306.

<sup>3</sup> Includes some credit for courses in the major, or in supporting courses, that meet General Education requirements.

<sup>4</sup> As many as 3 additional hours may be taken in undergraduate research in Chemistry.

# Chemistry with a Concentration in Business (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Chemistry with concentration in Business

Major: CHM

Concentration: BUS

Degree: BS

Unit: College of Arts and Sciences (AS)

This degree combines a general program in chemistry with a fundamental program in business. The curriculum is designed to prepare chemists for industrial and governmental positions.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on language taken)	6-8
Electives in Humanities or Social Sciences at the 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above <sup>2</sup> (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

### Department of Chemistry

Type	Hours
Chemistry 201 <sup>1</sup> - 202, 207 <sup>1</sup> - 210	10
Chemistry 341-342, 343-344	10
Chemistry 441, 470 <sup>2</sup>	5

Chemistry 527	3
Chemistry electives at 300 level or above (other than Independent Study) or Undergraduate Research (Chemistry 491-492) <sup>3</sup>	12-15
<b>Minimum Total</b>	<b>40-43</b>

### Supporting Courses

Type	Hours
Mathematics 205 <sup>1</sup> - 206	12
Physics 221 <sup>1</sup> , 222, 223 and 224 or 295 - 296, 298 <sup>2</sup> - 299	8-10
Economics 201 and 202	6
Computer Information Systems 100 and 300	6
Accounting 201 and 202	6
Management 201, Psychology 301, or Sociology 301	3
Management 301	3
Marketing 301	3
Finance 301	3
Elective in the School of Business	3
<b>Total</b>	<b>49-51</b>
No electives are required in this program; students who fulfill mathematics and science General Education requirements with courses in the major or supporting courses may have elective hours.	
<b>Minimum Total<sup>4</sup></b>	<b>122-124</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Chemistry 470 plus 3 semester hours from one of the following courses will fulfill the WR requirement: Chemistry 390, Chemistry 420, English 303, English 306.

<sup>3</sup> Electives include CHEM 320, 430, 445, 450, 515, 528, 529, 546, undergraduate research (391-2; 491-2; 3 hrs. maximum) or cooperative internship (420; 3 hrs. maximum). With the consent of the instructor(s), graduate level courses in Chemistry may also be used to fulfill these requirements.

<sup>4</sup> Includes some credit for courses in the major, or in supporting courses, that meet General Education requirements.

# Chemistry (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Chemistry

Minor: CHM

Unit: College of Arts and Sciences (AS)

The student may choose either Track I or Track II.

### Track I (Life Science Track)

Type	Hours
Chemistry 201, 202, 207, 208, 209, 210	10
Chemistry 341, 342, 343, 344	10
Chemistry 441	3
<b>Minimum Total</b>	<b>23</b>

### Track II (Physical Science Track)

Type	Hours
Chemistry 201, 202, 207, 208, 209, 210	10
Chemistry 341	3
Chemistry 465, 466	6
Chemistry 450	3
<b>Minimum Total</b>	<b>22</b>

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# Chinese Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Chinese Studies

Minor: CHST

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

## Chinese Studies

	Type	Hours
Chinese 301 and 302		6
Any three additional courses in Chinese Studies (CHST)		9
History 398; Humanities 307, 342, 343, 369; Modern Languages 270; Political Science 365 (select one*)		3
*Substitutions may be made with the approval of the program director.		
<b>Minimum Total</b>		<b>18</b>

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# Civil Engineering (BCE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Civil Engineering

Major: CE

Degree: BCE

Unit: Speed School of Engineering (SS)

Department: Civil Engineering

Students specializing in Civil Engineering will complete the program outlined below: two semesters in Engineering Fundamentals, nine semesters in Departmental Studies (for the Bachelor of Science degree) and 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 that is accredited by the Engineering Accreditation Commission of ABET, Inc. Subject matter in this program is highly computer-oriented and follows a computer-aided engineering approach. On entering Departmental Studies, the student may choose an area of concentration by selecting, in consultation with the faculty advisor, appropriate Civil and Environmental Engineering elective courses.

Appropriate design experiences are presented to students throughout the civil engineering curriculum, starting with CEE 260 (surveying) at the sophomore level, where basic group dynamics and open-ended project development concepts are introduced. Design experiences continue through CEE 680 (capstone design). At the junior level (e.g., CEE 370), students are taught many of the fundamentals required to perform more extensive open-ended design projects in civil engineering. At the senior and MEng levels, there are major, open-ended design projects required in geotechnical and structural engineering (e.g., CEE 452 and CEE 652), transportation engineering (e.g., CEE 560 and CEE 665), and water resources engineering (e.g., CEE 570 and CEE 670). Throughout the duration of their academic careers, most students take a great number of these and similar courses; specific course selection depends on the student's chosen area of specialization and guidance from his or her faculty advisor.

Students are also exposed to various levels of design experience in their three required co-ops. By the end of the fifth year (i.e., the culmination of the MEng program), students have had the opportunity to thoroughly and extensively exercise the design principles learned earlier in the curriculum and co-op experience through participation in the capstone design course (CEE 680).

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4

CE Core

CHEM 207 <sup>1</sup>	1
PHYS 295 <sup>1 2</sup> , PHYS 299 <sup>1</sup>	5
<b>Total</b>	<b>31</b>

**Departmental Studies**

<b>Courses</b>	<b>Hours</b>
Engineering Fundamentals	
ENGR 201, 205, 307, 330	10
Department	
CEE 205, 254, 255, 260, 261, 288, 289, 309, 320, 370, 371, 389, 401, 402, 420, 421, 422, 450, 451, 452, 460, 470, 471, 489, 530	57
Speed/University	
CECS 121	1
ECE 252	3
GEOS 301	3
IE 360, 370	6
ME 206, 251	6
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	12
COMM 111 <sup>2</sup> or 112 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>104</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Civil Engineering</b>	<b>135</b>

<sup>1</sup> Acceptance into the Department of Civil & Environmental Engineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

# Civil Engineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Master of Engineering in Civil Engineering

Major: CE

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Civil Engineering

## Graduate Studies

	Type	Hours
CEE 680, 697 <sup>1 2</sup>		9
In addition, at least 21 semester hours of course work must be completed in one of the following specialty areas: <sup>3</sup>		
Facilities Engineering (includes courses in geotechnical/structural) CEE 520, 522, 552, 604, 620, 621, 625, 650, 651, 652, 653, 654		
Public Works Engineering (includes courses in geotechnical/ transportation/water resources) CEE 552, 560, 570, 571, 572, 604, 650, 651, 652, 653, 654, 660, 662, 665, 670, 673, 674		21
At the discretion of the student's advisor, the following Environmental courses may be selected to fulfill program elective requirements for either Facilities Engineering or Public Works Engineering. CEE 509, 534, 535, 561, 573, 675, 694		
<b>Minimum Total</b>		<b>30</b>

<sup>1</sup> A regularly enrolled full-time student is required to select an approved M.Eng. thesis topic and the members of the thesis committee during the first term of Graduate Studies.

<sup>2</sup> A non-thesis alternative curriculum is available: six hours of approved graduate work may be substituted for six hours of thesis (CEE 697).

<sup>3</sup> Both specialty areas meet the engineering topics criteria of the EAC/ABET.

	Total	Hours
<b>Bachelor of Science in Civil Engineering</b>		<b>135</b>
<b>Graduate Studies</b>		<b>30</b>
<b>Master of Engineering in Civil Engineering</b>		<b>165</b>

### **Master of Science in Civil Engineering**

In addition to the M.Eng. program, the Civil & Environmental Engineering Department offers a Master of Science degree in Civil Engineering. This program is appropriate for students not holding a civil engineering baccalaureate degree from the University of Louisville. Consult the Graduate Catalog for degree requirements and contact information.

### **Certificate in Environmental Engineering**

The Civil & Environmental Engineering Department also offers a certificate program to persons who have completed a graduate program (M.Eng., M.S., or Ph.D.) at the Speed School of Engineering to provide official recognition of course work in the field of environmental engineering. Consult the Graduate Catalog for program requirements and contact information.

### **Doctor of Philosophy in Civil Engineering**

The Civil & Environmental Engineering Department offers a program of study leading to the Doctor of Philosophy degree in Civil Engineering. This program provides an opportunity for students to complete advanced course work and conduct independent research in one of two specialization areas; Infrastructure/Facilities Engineering and Environmental Engineering. Persons interested in the Ph.D. program should consult the Graduate Catalog for degree requirements and contact information.

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# Classical Languages (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Classical Languages

Minor: CLAS

Department: [Classical and Modern Languages](#)

Unit: [College of Arts and Sciences \(AS\)](#)

## Classical Languages

	Type	Hours
Greek 201 and 202		6
Latin 201 and 202		6
Electives in Greek or Latin at the 300-level or above		6
<b>Minimum Total</b>		<b>18</b>

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# Communication (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in Communication

Major: COMM

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the B.A. program in Communication requires (1) completion of COMM 201 with a minimum grade of C; (2) a minimum cumulative grade point average of 2.0; and (3) a minimum grade point average of 2.0 on courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Natural Sciences at the 300-level or above <sup>2</sup> (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>19</b>

### Department of Communication

Type	Hours
Communication 201 <sup>1</sup> , 250, 304, 305, 315, 316	18
Communication electives at 300 level or above	12
Communication electives at 400 level or above	6
<b>Minimum Total</b>	<b>36</b>

### Supporting Courses

Type	Hours
Mathematics 109, Justice Administration 326, Management 201, Pan African Studies 408, Political Science 390, Psychology 301, Sociology 301 (select one)	3
Social Science electives (other than Communication) with 12 hours at the 300 level or above (in addition to courses counted toward General Education)	18 <sup>3</sup>
Natural Sciences elective (excluding Mathematics) (in addition to courses counted toward General Education)	3
<b>Minimum Electives</b>	<b>8</b>
<b>Minimum Total</b>	<b>121</b>

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree. Communication 111, 112, and 115 are not counted in computing the 40 hours for a Communication major.

At least 50 of the total minimum hours required must be at the 300 level or above.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Note: additional 3 hours of college programmatic requirement is met in Natural Science requirement in supporting coursework.

<sup>3</sup> Only 15 hours needed if statistics requirement fulfilled in a social science discipline.

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# Communication (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Communication

Major: COMM

Degree: BS

Unit: College of Arts and Sciences (AS)

Note: Admission to the B.S. 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.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Natural Sciences at the 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above <sup>2</sup> (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

## Department of Communication

Type	Hours
Communication 201 <sup>1</sup> , 250, 304, 305, 315, 316, 317	21
Communication 302 or 319	3
Communication 320, 323, 345 or 348 (in addition to WR courses for college programmatic requirements)	3
Communication electives at 300 level or above	15
Communication electives at 400 level or above	6

**Supporting Courses**

<b>Type</b>	<b>Hours</b>
Mathematics 109, Justice Administration 326, Management 201, Pan African Studies 408, Political Science 390, Psychology 301, Sociology 301 (select one)	3
Social Science electives (other than Communication) (in addition to courses counted toward General Education)	12 <sup>2</sup>
Natural Sciences elective (excluding Mathematics) (in addition to courses counted toward General Education)	3
<b>Total</b>	<b>18</b>
<b>Minimum Electives</b>	<b>6-8</b>
<b>Minimum Total</b>	<b>121</b>

Only 60 hours in the major department may be applied toward the Bachelor of Science degree. Communication 111, 112, and 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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Only 9 hours needed if statistics requirement fulfilled in a social science discipline.

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# Communication (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Communication

Minor: COMM

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## Department of Communication

Type	Hours
Communication 201, 305	6
Communication electives at the 200-level or above	12
<b>Minimum Total</b>	<b>18</b>

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# Community Health (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Community Health

Minor: CMH

Unit: College of Education and Human Development

Type	Semester Hours	Total
HSS 302 Nutrition in Health Living	3	
HSS 310 Healthy Lifestyles II	3	
HSS 430 Epidemiology in Health, PE and Nutrition	3	
HSS 432 Methods in Public Health Education	3	
HSS 531 Leadership in Health Promotion	3	
<b>Select 9 hours from the following:</b>		
HSS 388 Principles of Athletic Training	3	
HSS 382 Peer Education in Health Promotion	3	
HSS 432 Biostatistics in Health and Exercise Science*	3	
HSS 501 Stress and Tension Control*	3	
HSS 503 Obesity: Causes and Control*	3	
HSS 562 Alcohol and Drug Education	3	
HSS 564 Women's Health Issues	3	
HSS 567 Healthy Sexuality and Aids Education	3	
<b>Minimum Total</b>		<b>24</b>

\*Please note that these courses have prerequisite requirements which may not be listed in the courses above.

**Note:** A 2.5 gpa is required in the minor. Only one "D" will be accepted in courses for the minor.

To apply for the minor: <http://louisville.edu/education/ssa/online-forms>

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# Computer Engineering and Computer Science (BCC)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Computer Engineering and Computer Science

Major: CECS

Degree: BCC

Unit: Speed School of Engineering (SS)

Department: Computer Engineering and Computer Science

Students specializing in Computer Engineering and Computer Science (CECS) will complete the program outlined below: two semesters in Engineering Fundamentals and a further period of study in the Department of Computer Engineering and Computer Science - ten semesters in Departmental Studies (for the Bachelor of Science degree) and professional fifth year in Graduate Studies (for the Master of Engineering degree). The Bachelor of Science degree program is accredited by ABET, Inc./Computer Accreditation Commission (ABET/CAC). This curriculum is designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree that is accredited by the Engineering Accreditation Commission of ABET, Inc.

### Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
CECS Core	
CECS 130 <sup>1</sup> , 230 <sup>1</sup>	6
<b>Total</b>	<b>31</b>

### Departmental Studies

Courses	Engineering Fundamentals	Hours
ENGR 201, 205, 330	Department	8

CECS 220, 288, 289, 302, 310, 311, 312, 389, 412, 420, 440, 489, 504, 516, 525, 530, 535, 550	46
CECS Electives <sup>4</sup>	6
Speed/University	
CEE 205	3
CHEM 207	1
ECE 210, 211, 252	7
IE 360, 370	6
PHYS 295 <sup>2</sup> , 296, 299	6
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	12
COMM 111 <sup>2</sup> or 112 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>101</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Computer Engineering and Computer Science</b>	<b>132</b>

<sup>1</sup> Acceptance into the Department of Computer Engineering and Computer Science requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

<sup>4</sup> The CECS Elective must be chosen from the following approved list; CECS 522 542, 545, 546, or departmental consent for additional CECS 5XX courses.

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# Computer Engineering and Computer Science (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Master of Engineering in Computer Engineering and Computer Science

Major: CECS

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Computer Engineering and Computer Science

On entering Graduate Studies, the student selects a thesis track or non-thesis track. A student in the thesis track chooses an area of concentration for the master's thesis and selects a sequence of program elective courses for the thesis concentration. A student in the non-thesis track chooses a CECS project after completing a sequence of elective courses for the project. The Master of Engineering degree is accredited by EAC/ABET under the criteria for Computer Engineering.

## Graduate Studies

Courses	Hours
CECS/ECE 510, 511	4
CECS 508 or CECS/IE 563	3
CECS 619, 622	6
CECS 6xx Electives <sup>1</sup>	12
Thesis Track - CECS 697 <sup>2</sup>	
or	6
Non-Thesis Track - CECS 696, CECS 6xx Elective <sup>1</sup>	
<b>Total</b>	<b>31</b>

<sup>1</sup> A full-time student is required to have selected both an approved M.Eng. thesis topic and the director of the thesis committee during the first term of Graduate Studies. A thesis is part of the requirements for the Master of Engineering degree. Students must complete six credit hours for the M.Eng. Thesis. A non-Thesis option is available.

<sup>2</sup> Required CECS program elective courses may be chosen to provide concentration at the Master of Engineering level in the areas of research focus in the department. Select from 6XX courses such as 608, 609, 611, 616, 627, 628, 629 or 694 in consultation with your CECS faculty advisor.

**Total**

**Hours**

<b>Bachelor of Science in Computer Engineering and Computer Science</b>	<b>132</b>
<b>Graduate Studies</b>	<b>31</b>
<b>Master of Engineering in Computer Engineering and Computer Science</b>	<b>163</b>

### **Master of Science Program in Computer Science**

The department also offers a graduate program of study in the area of Computer Science leading to a Master of Science degree. This program is available for interested individuals who have an adequate background, but do not necessarily have a baccalaureate degree in engineering. Interested students should refer to the Graduate Catalog or to the department office for further information about the Master of Science program.

### **Ph.D in Computer Science and Engineering**

The Computer Engineering and Computer Science Department (CECS) offers the Ph.D. degree in Computer Science and Engineering (CSE). The CSE program is offered in collaboration with the Electrical and Computer Engineering Department (ECE). Students interested in the Ph.D. program should consult the Graduate Catalog or the Coordinator of the CSE Ph.D. program.

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# Business Administration in Computer Information Systems (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Business Administration in Computer Information Systems

Major: CIS

Degree: BSB

Unit: College of Business (BU)

Department: Computer Information Systems

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9) 6
<b>Total</b>	<b>28 (34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>2</sup> *(completes Math Gen Ed)	7
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 303 or 306	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3

CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>36</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Computer Information Systems Depth**

<b>Type</b>	<b>Hours</b>
CIS 199 Software Development I	3
CIS 200 Software Development II	3
CIS 202 Software Development III	3
CIS 215 Introduction to CIS	2
CIS 211 Operating Systems	3
CIS 310 Database Design	3
CIS 320 Systems Analysis and Design	3
CIS 360 Business Data Communications	3
CIS 410 Mgmt. of Information Systems	3
CIS 415 Careers in Information Systems	1
CIS 420 CIS Development Project	3
CIS Electives	6
CIS Co-op <sup>1</sup>	6
Arts & Sciences Electives	6
<b>Total</b>	<b>48</b>
<b>Minimum Total</b>	<b>129<sup>3</sup></b>

<sup>1</sup> 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 398).

<sup>2</sup> Math 205 must be taken as a required math course for all CIS majors. Its prerequisite(s) MATH 111-112 or MATH 190 may be used as an Arts and Sciences elective(s).

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\*\*All prerequisites must be followed (see undergraduate catalog).

# Business Administration in Computer Information Systems with Concentration in Information Security (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Business Administration in Computer Information Systems with Concentration in Information Security

Major: CIS

Concentration: Information Security

Degree: BSB

Unit: College of Business (BU)

Department: Computer Information Systems

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9) 6
<b>Total</b>	<b>28 (34 )</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>2</sup> *(completes Math Gen Ed)	7
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 303 or 306	3

BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>36</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Total</b>	<b>18</b>

### **Computer Information Systems Depth**

<b>Type</b>	<b>Hours</b>
CIS 199 Software Development I	3
CIS 200 Software Development II	3
CIS 202 Software Development III	3
CIS 215 Introduction to CIS	2
CIS 211 Operating Systems	3
CIS 310 Database Design	3
CIS 320 Systems Analysis and Design	3
CIS 360 Business Data Communications	3
CIS 410 Mgmt. of Information Systems	3
CIS 415 Careers in Information Systems	1
CIS 420 CIS Development Project	3
CIS 480 Intro. to Network Security	3
CIS 481 Intro. to Information Security	3
CIS 482 Intro. to Cryptography	3
CIS 483 Intro. to Database Security	3
CIS Co-op <sup>1</sup>	3
Arts & Sciences Electives	3
<b>Total</b>	<b>48</b>
<b>Minimum Total</b>	<b>129<sup>3</sup></b>

<sup>1</sup> Co-operative Education is a curriculum requirement for six (6) months full time employment for three (3) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

<sup>2</sup> Math 205 must be taken as a required math course for all CIS majors. Its prerequisite(s) MATH 111 & 112 or MATH 190 may be used as an Arts and Sciences elective(s).

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\*\*All prerequisites must be followed (see undergraduate catalog).

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# Cultural Performance (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Cultural Performance

Minor: CLPF

Unit: College of Arts and Sciences (AS)

Departments: Theater Arts and Pan-African Studies

### Global Performance focus:

	Type	Hours
Pan-African Studies 210		3
Theatre Arts 326		3
Pan-African Studies 315 or Theatre Arts 366		3
Theatre Arts 322 or 323		3
Pan-African Studies 342, 350, or 385		3
Pan-African Studies 550		3
Electives from courses listed above or Pan-African Studies 323, 360, 395, 396		3
<b>Minimum Total</b>		<b>21</b>

### United States Performance focus:

	Type	Hours
Pan-African Studies 215		3
Theatre Arts 323		3
Theatre Arts 366		3
Theatre Arts 363, or Pan-African Studies 340		3
Theatre Arts 322 or 326		3
Pan-African Studies 319, 320, or 329		3
Pan-African Studies 378 or any of the above as electives		3
<b>Minimum Total</b>		<b>21</b>

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# Dental Hygiene (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Dental Hygiene

Major: DH

Degree: BS

Unit: School of Dentistry (SD)

### Lower Division Pre-Professional Curriculum

Type	Hours
*ENGL 101 Introduction to College Writing	3
*ENGL 102 Intermediate College Writing	3
**CHEM 101 or 105 Chemistry	3 or 4
*BIOL 102 Introduction to Biological Systems	3
*BIOL 104 Introductions to Biological Systems Lab	1
**BIOL 260 Anatomy & Physiology I	3
**BIOL 261 Anatomy & Physiology II	3
**BIOL 262 Anatomy & Physiology Lab	1
*MATH (choose one from Gen Ed list)	3
**HSS 303 Human Nutrition	3
COMM 111, 112 or 115	3
SOC 201 Introduction to Sociology or SOC 203 Self and Society	3
PSYC 201 Introduction to Psychology	3
HIST 101 Hist-Civilizations I or HIST 102 Hist-Civilizations II	3
Arts and Humanities- one course in each area (see catalog)	6
Cultural Diversity- 6 hours of CD courses- at least 3 hours must be CD1	6
Social and Behavioral Sciences- one course at 200 or 300 level	3
DHED 101 DH Academic Orientation	1
<b>Minimum Total</b>	<b>54</b>

\*Students must make a "C" or above in these courses.

\*\*Students must make a "C" or above in these courses and must have completed them within 5 years of applying for Upper Division admission.

### Upper Division Professional Curriculum

#### Dental Hygiene Required Courses

Type	Hours
<b>Third Year: First Semester</b>	

DHED 305 Biology of Head & Neck	3
DHED 303 Dental Anatomy	2
DHED 304 Radiography	2
DHED 301 Dental Hygiene Theory I	3
DHED 302 Dental Hygiene Principles of Practice I	2
DHED 306 Microbiology	3
DHED 307 Physical Diagnosis and Medical Management	2
<b>Total</b>	<b>17</b>
<b>Third Year: Second Semester</b>	
DHED 308 Preclinical Radiography	1
DHED 309 General & Oral Pathology I	3
DHED 310 Periodontology	3
DHED 311 Pain & Anxiety Control (Local Anesthesia)	3
DHED 313 Dental Hygiene Theory II	3
DHED 314 Dental Hygiene Principles of Practice II	3
DHED 312 Oral Health Education	2
<b>Total</b>	<b>18</b>
<b>Third Year: Summer Session</b>	
DHED 315 Dental Materials	3
DHED 316 Community Dental Health I	2
<b>Total</b>	<b>5</b>
<b>Fourth Year: First Semester</b>	
DHED 402 Pharmacology	3
DHED 403 Statistics & Research Design	3
DHED 404 Special Needs Patients	2
DHED 406 Community Dental Health II	2
DHED 408 Dental Hygiene Principles of Practice III	4
DHED 409 Clinical Radiology I	1
DHED 407 Advanced Technology & Patient Care Procedures I	2
DHED 405 Advanced Periodontology I	1
<b>Total</b>	<b>18</b>
<b>Fourth Year: Second Semester</b>	
DHED 410 Advanced Radiology	1
DHED 411 Clinical Radiology II	1
DHED 412 Dental Hygiene Principles of Practice IV	3
DHED 414 Advanced Technology and Patient Care Procedures II	1
DHED 413 Advanced Periodontology II	1
DHED 415 Dental Hygiene Ethics and Practice	2
DHED 417 Dental Hygiene Extramural Education	2
**Dental Hygiene Elective: DHED 420 Clinical Teaching, DHED 416 Business Office Administration, DHED 418 Clinical Research, DHED 419 Public Health, SUHD 864 Zoo Dentistry	1
** Students may select one of these areas for concentrated study	12
<b>Total</b>	<b>124</b>

# Early Elementary Education (certification grades P-5) with Concentration in Early Childhood Education (Certification Birth to Age 5)(BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education — Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Early Childhood Education

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

Type	Hours
<b>General Education</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1

EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3
<b>Total</b>	<b>22</b>

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>36</b>

### **Mid-Point Assessment: Prior to Elementary and Early Childhood Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary	6
EDTP 451 Student Teaching - Early Childhood Education	6
EDTP 477 Capstone Seminar	3
<b>Total</b>	<b>15</b>

### **Concentration in Early Childhood Education Concentration: ECE**

<b>Type</b>	<b>Hours</b>
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EDTP 433 Curriculum/Methods in ECSE	3
EDTP 436 Theories of Play	3
EDTP 437 Infant/Toddler Development	3
EDTP 438 Literacy and Social Studies Methods in IECE	3
EDTP 439 Mathematics and Science Methods in IECE	3
EDTP 484 Early Family Intervention	3
EDSP 485 Practicum: Developmental Intervention	3
HSS 320 Growth and Motor Development	3
<b>Total</b>	<b>24</b>

**Minimum Total 125**

Degree Assessment

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

Certification Assessment

Passing scores on required PRAXIS exams.

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# Early Elementary Education with Concentration in Interdisciplinary Early Childhood Education (BSR) Leading to Certification in Birth-Age 5 Only

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education with Interdisciplinary Early Childhood Education — Leading to Certification Birth to Age 5 only

Major: ERED

Concentration: IEC

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

This degree/certification program is designed to accommodate those students who have completed an Associate's degree in Early Childhood Education from a Kentucky community college, which offers an accredited program in the area of early childhood education.

Upon completion of an Associate's degree, students will apply to the University of Louisville for admission to the College of Education and Human Development. Upon completion of all teacher education admission requirements, students will apply for admission to the undergraduate teacher education program. If accepted for admission, students will complete the final two years of professional education coursework in Interdisciplinary Early Childhood Education.

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; an Associate's Degree in Early Childhood Education from an accredited Kentucky institution; 2.75 or higher overall GPA; 3.0 or higher GPA in Pre-Professional Courses; 21 or higher ACT Composite Score, "C" or better in English 102, "C" or better in Com 115 or its equivalent; HIST 101 OR 102; 2 Science courses and 1 Science Lab; other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education Requirements	34
<b>Minimum Total</b>	<b>34</b>

### Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
ENGL 102 Intermediate College writing (WC)	3
COM 115 Interpersonal Communication (OC)	3
HIST 101 OR 102 History of Civilizations I or II (SB)	3
2 Natural Science Courses and 1 Natural Science Lab (S,SL)	7

Note: You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDSP 294 Teaching Ind w/ Physical Disabilities	3
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 433 Curriculum/Methods in ECSE	3
EDTP 436 Theories of Play	3
EDTP 438 Literacy and Social Studies Methods in IECE	3
EDTP 439 Mathematics and Science Methods in IECE	3
EDSP 483 Early Childhood/Special Education Screening	3
EDTP 484 Early Family Intervention	3
EDSP 485 Practicum: Developmental Intervention	3
EDTP 506 Public Schools in America	3

### **Mid-Point Assessment: Prior to IECE Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 201, 107, Core Professional and Concentration courses, each with no lower than a "C"; Satisfactory mid-point portfolio; Positive recommendation from IECE Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 451 Student Teaching - IECE	12
EDTP 477 Capstone Seminar	3

### **Concentration in IECE**

<b>Type</b>	<b>Hours</b>
EDTP 435 Administration & Consultations	3
Approved Electives at 300 level or above	6
Additional Electives (approved by advisor)	23

\*Note that Early Childhood Education courses from Associate's Degree can be used to meet these electives

**Degree Assessment**

Satisfactory dispositions assessment; C or better in EDTP 451; 2.75 overall GPA; All program course work 3.0 cumulative GPA; Satisfactory portfolio.

**Certification Assessment**

Satisfactory certification portfolio addressing IECE standards; passing scores on the Kentucky Early Childhood Specialty exam.

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# Early Elementary Education (certification grades P-5) with Concentration in English (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education — Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: English

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

## Pre-Professional Courses

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3
<b>Total</b>	<b>22</b>

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Mid-Point Assessment Prior to Elementary Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student Teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

### **Concentration in English \*** **Concentration: ENG**

<b>Type</b>	<b>Hours</b>
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ENGL 202 Creative Writing	3
ENGL 301 British Literature I	
OR ENGL 302 British Literature II	3
ENGL 303 Scientific & Technical Writing	3
OR ENGL 306 Business Writing	
OR ENGL 309 Advanced Academic Writing	
OR ENGL 310 Writing about Literature	
ENGL 311 American Literature I	3
OR ENGL 312 American Literature II	
PAS 340 African American Literature	3
OR ENGL 373 Women in Literature	
ENGL 535 Applied Linguistics for Teachers	3
OR ENGL 522 Structure of Modern English	
EDTP 540 Adolescent Readers	3
ENGL 506 Teaching of Writing	3
<b>Minimum Total</b>	<b>125</b>

\*Middle Grades Certification Extension requires a 2.5 GPA in English content courses and successful completion of EDTP 607 and 620, and passing scores on the PRAXIS Middle Grades English exam.

### **Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in English as a Second Language (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education — Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: English as a Second Language

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### **Mid-Point Assessment Prior to Elementary Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

**Concentration in English as a Second Language**  
**Concentration: ESL**

<b>Type</b>	<b>Hours</b>
Foreign Language OR comparable fluency proficiency	6-8
ENGL 518 Foundations of Language	
	3
OR ENGL 522 Structure of Modern English	
LING 524 Psycholinguistics	
	3
OR ENGL 535 Applied Linguistics for Teachers	
ENGL 625 Teaching English as a Second Language	3
ANTH 338 Anthropology of Refugees	
	3
OR COMM 440 Intercultural Communication	
ENGL 626 ESL Endorsement Portfolio	1
<b>Minimum Total</b>	<b>125</b>

**Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in French (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education — Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: French

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3

EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### **Mid-Point Assessment Prior to Elementary Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

### **Concentration in French\***

## **Concentration: FRE**

<b>Type</b>	<b>Hours</b>
FREN 320 French Skills Overview	3
FREN 321 Conversation	3
FREN 322 Composition	3
FREN 331 Foundations of French Civilization	3
FREN 332 France today	3
FREN 455 Reading in French	3
FREN 523 Advanced Communication Skills	3

**Minimum Total** **125**

\*P-12 Certification Extension requires a 2.50 GPA in French content courses and successful completion of EDTP 607 and 620, and passing scores on the required PRAXIS II examination.

### **Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Learning and Behavior Disorders (Certification grades P-12) (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Learning and Behavioral Disorders (certification grades P-12)

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3
<b>Total</b>	<b>22</b>

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>36</b>

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Mid-Point Assessment: Prior to Elementary and Special Education Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 330, 345, 346, 355, 337, 420, and 510, each with no lower than a C; "Pass" in all clinical field work (EDTP 311, 313, 320, 322, 324, 441, and 442 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary and Special Education Program Committees.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary	6
EDTP 470 Student Teaching - Special Education	6
EDTP 477 Capstone Seminar	3
<b>Total</b>	<b>15</b>

## Concentration in Learning and Behavioral Disorders

### Concentration: ELB

Type	Hours
EDSP 218 Technology for Students with Disabilities	3
EDSP 240 Introduction to Exceptional Children	3
EDSP 260 Classroom Behavior Management	3
EDSP 337 Collaboration, Inclusion, & Transitions	3
EDSP 420 Assessment of Exceptional Learners	3
EDSP 441 Instructional Methods for LBD	3
EDSP 442 LBD Practicum	3
EDSP 510 Legal Issues in Special Education	3
<b>Total</b>	<b>24</b>
<b>Minimum Total</b>	<b>125</b>

### Degree Assessment

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

### Certification Assessment

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Mathematics (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Mathematics

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### **Mid-Point Assessment Prior to Elementary Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

**Concentration in Mathematics\***  
**Concentration: MAT**

<b>Type</b>	<b>Hours</b>
MATH 112 Trigonometry	3-4
OR MATH 190 Precalculus	
MATH 349 Statistics and Probability for Teachers	3-6
OR MATH 107 Finite Mathematics and MATH 109 Statistics	
MATH 350 Geometric Investigations	3
MATH 451 Problem Solving for Teachers	3
MATH 180 Elements of Calculus	3-4
OR MATH 205 Calculus I	
MATH or EDTP Elective in Mathematics Technology	3
<b>Minimum Total</b>	<b>125</b>

\*Middle Grades Certification Extension requires a 2.50 GPA in Mathematics content courses and successful completion of EDTP 607 and 620, and passing scores on the required PRAXIS II examination.

**Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Moderate and Severe Disabilities (certification grades P-12) (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Moderate and Severe Disabilities (certification grades P-12)

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession(SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3
<b>Total</b>	<b>22</b>

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>36</b>

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Mid-Point Assessment: Prior to Elementary and Special Education Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 330, 345, 346, 355, 337, 420, and 510, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, 324, 443, and 444 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary and Special Education Program Committees.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary	6
EDTP 470 Student Teaching - Special Education	6
EDTP 477 Capstone Seminar	3
<b>Total</b>	<b>15</b>

## **Concentration in Moderate and Severe Disabilities**

### **Concentration: MSD**

<b>Type</b>	<b>Hours</b>
EDSP 240 Introduction to Exceptional Children	3
EDSP 260 Classroom Behavior Management	3
EDSP 294 Teaching Individuals with Physical and Multiple Disabilities	3
EDSP 337 Collaboration, Inclusion, & Transitions	3
EDSP 420 Assessment of Exceptional Learners	3
EDSP 443 Instructional Methods for MSD	3
EDSP 444 MSD Practicum	3
EDSP 510 Legal Issues in Special Education	3
<b>Total</b>	<b>24</b>
<b>Minimum Total</b>	<b>125</b>

### **Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Science (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Science

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3

EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### **Mid-Point Assessment Prior to Elementary Student Teaching**

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

<b>Type</b>	<b>Hours</b>
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

**Concentration in Science\***  
**Concentration: SCI**

<b>Type</b>	<b>Hours</b>
BIOL 240 Unity of Life	3
BIOL 242 Diversity of Life	3
BIOL 244 Principles of Biology Lab	2
BIOL 301 Introduction to Ecology	3
BIOL 302 Introduction to Ecology Lab	2
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
PHYS 111 Elements of Physics	4
Choose two:	6
PHYS 107 Elementary Astronomy	
GEOS 200 The Global Environment	
GEOS 220 Contemporary Issues in Meteorology	

(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.)

**Minimum Total**

**125**

\*Middle Grades Certification Extension requires a 2.50 GPA in Science content courses and successful completion of EDTP 607 and 620, and passing scores on the required PRAXIS II examination.

**Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Social Studies (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Social Studies

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### Mid-Point Assessment Prior to Elementary Student Teaching

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

Type	Hours
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

**Concentration in Social Studies\***  
**Concentration: SST**

<b>Type</b>	<b>Hours</b>
HIST 101 History of Civilizations I	3
HIST 102 History of Civilizations II	3
HIST 211 American History I	3
HIST 212 American History II	3
GEOG 200 Power of Place	3
POLS 201 Fundamentals of American Government	3
OR POLS 202 Comparative Political Systems	
ECON 201 Microeconomics	3
SOC 202 Social Problems	3
OR 209 Principles and Concepts of Sociology	
ANTH 201 Introduction to Cultural Anthropology	3

**Minimum Total** **125**

\*Middle Grades Certification Extension requires a 2.50 GPA in Social Studies content courses and successful completion of EDTP 607 and 620, and passing scores on the required PRAXIS II examination.

**Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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**Concentration in Spanish\***  
**Concentration: SPA**

<b>Type</b>	<b>Hours</b>
SPAN 201 Continuing Spanish I	3
SPAN 202 Continuing Spanish II	3
SPAN 321 Conversation	3
SPAN 322 Composition	3
SPAN 355 Reading Hispanic Literature	3
SPAN 401 Foundations of Spanish Civilization	3
OR SPAN 402 Cult. & Literary Persp. Modern Spain	3
OR SPAN 403 Foundations of Latin American Nations	3
OR SPAN 404 Cult. & Literary Persp. Modern Latin America	3
SPAN 523 Advanced Communication Skills	3
SPAN 524 Introduction to Hispanic Linguistics	3

**Minimum Total** **125**

\*P-12 Certification Extension requires a 2.50 GPA in Spanish content courses and successful completion of EDTP 607 and 620, and passing scores on the required PRAXIS II examination.

**Degree Assessment**

Satisfactory dispositions assessment; C or better in Student Teaching; 2.75 overall GPA; program course work with 3.0 cumulative GPA and satisfactory portfolio.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Early Elementary Education (Certification grades P-5) with Concentration in Spanish (BSR)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Early Elementary Education – Leading to Certification in Early Elementary Grades P-5

Major: ERED

Concentration: Spanish

Degree: BSR

Unit: College of Education and Human Development (ED)

Department: EDTL

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107, 201, MATH 151, & 152; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)

GEOS 200 The Global Environment (S)

Biology course and lab (S, SL)

PAS 227 Survey of American Diversity (SBCD1)

OR SOC 210 Race in the U.S. (SBCD1)

### Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3

EDTP 107 Human Growth and Development	3
MATH 151 Math for Elementary Education I	3
MATH 152 Math for Elementary Education II (M)	3
HSS 274 Physical Education & Health for Elementary Teachers	3
ART 407 Art for Elementary Education	3
MUSE 525 Music for Elementary Education	3

**Note:** You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 311 Introduction to Language Arts	3
EDTP 312 Elementary Language Arts Methods Field Experience	1
EDTP 313 Mathematics Methods	3
EDTP 314 Elementary Mathematics Methods Field Experience	1
EDTP 320 Language Arts Methods	3
EDTP 322 Social Studies Methods	3
EDTP 323 Elementary Social Studies Methods Field Experience	1
EDTP 324 Science Methods	3
EDTP 326 Elementary Science Methods Field Experience	1
EDTP 506 Public Schools in America	3

### Mid-Point Assessment Prior to Elementary Student Teaching

Satisfactory dispositions assessment; Completion of EDTP 301, 328, 345, and 355, each with no lower than a C; "Pass" in all clinical field work; EDTP 311, 313, 320, 322, and 324 with no more than one grade below B-; Satisfactory mid-point portfolio; Positive recommendation from Elementary Program Committee.

Type	Hours
EDTP 450 Student Teaching - Elementary Education	6
EDTP 452 Student teaching - Elementary Education	6
EDTP 477 Capstone Seminar	3

# Economics (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Economics

Major: EC

Degree: BA

Unit: College of Business (BU)

Department: Economics

## University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

+ See General Education requirements in the General Information section of this Catalog.

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

## Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>1</sup> *(completes Math Gen Ed)	7
Foreign Language	12
Humanities or Natural Science (6 hours - 300+ Level)	9
POLS 201/202	6
Social Sciences (6 hours - 300+ Level)	12
BUS 201 Career Development	1
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
<b>Total</b>	<b>57</b>

## Economics Breadth

Type	Hours
ECON 301 Intermediate Microeconomic Theory	3
ECON 302 Intermediate Macroeconomic Theory	3
ECON 475 Economics Seminar	3
Electives in Economics	15
General Electives (6-15 hours - 300+ Level)	15
<b>Total</b>	<b>39</b>
<b>Minimum Total</b>	<b>124<sup>2</sup></b>

\*\* All prerequisites must be followed (see undergraduate catalog).

<sup>1</sup> Math 205 must be taken as a required math course for all Economic majors. Its prerequisite(s) may be used as Arts and Sciences elective(s).

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# Economics, Business Economics (BSE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Business Economics

Major: BUEC

Degree: BSE

Unit: College of Business (BU)

Department: Economics

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Hours
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Hours
Camp 100 Campus Culture	1
Mathematics 107 and 205 <sup>2</sup> *(completes Math Gen Ed)	7
Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3

**Computer Systems**

Type	Hours
CIS 300 Computer Information Systems	3
<b>Total</b>	<b>3</b>

**Economics Breadth**

Type	Hours
ECON 301 Intermediate Microeconomic Theory	3
ECON 302 Intermediate Macroeconomic Theory	3
ECON 475 Economics Seminar	3
Electives in Economics <sup>1</sup>	15
Electives in Business or Economics <sup>1</sup>	15
Arts and Sciences Electives <sup>2</sup>	18
<b>Total</b>	<b>57</b>
<b>Minimum Total</b>	<b>124<sup>3</sup></b>

\*\* All prerequisites must be followed (see undergraduate catalog).

<sup>1</sup> Economics and business electives must be approved by the Chair of the Department of Economics.

<sup>2</sup> Math 205 must be taken as a required math course for all Economic majors. Its prerequisite(s), may be used as Arts and Sciences elective(s).

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

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# Economics (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Economics

Minor: ECON

Unit: College of Business (BU)

Department: Economics

Type	Hours
Economics 201-202	6
Economics 301-302	6
Electives in Economics at 300-level or above	6
<b>Minimum Total</b>	<b>18</b>

Available to both business majors and non business majors.

An average GPA of 2.8 in the minor courses is required for graduation.

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# Electrical Engineering (BEE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Electrical Engineering

Major: EE

Degree: BEE

Unit: Speed School of Engineering (SS)

Department: Electrical & Computer Engineering

Students specializing in Electrical and Computer Engineering will complete the program outlined below: Two semesters in Engineering Fundamentals and a further period of study in the Department of Electrical & Computer Engineering - ten semesters in Departmental Studies (for the Bachelor of Science degree) and 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 that is accredited by the Engineering Accreditation Commission of ABET, Inc.

Students in the Electrical and Computer Engineering Department may make use of electives to design a course sequence toward an appropriate career goal. To assist students in the selection of such courses, the Department has designated "tracks" for various specialties within electrical and computer engineering. A full description of these tracks and their recommended courses is available online or from the Electrical and Computer Engineering Department office.

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
EE Core	
PHYS 295 <sup>1 2</sup> , 296 <sup>1</sup> , 299 <sup>1</sup>	6
<b>Total</b>	<b>31</b>

## Departmental Studies

Courses	Hours
Engineering Fundamentals	

ENGR 201, 205, 307, 330		10
	Department	
ECE 210, 211, 220, 221, 288, 289, 320, 322, 333, 334, 389, 412, 420, 473, 489, 496 and 542		36
ECE Program Elective		3
ECE Elective		3
ECE Elective Laboratory		1
ECE Design Elective		3
ECE Design Elective Laboratory		1
ECE Capstone Design (ECE 599)		4
	Speed/University	
CECS 121, 231		4
CHEM 207		1
IE 360, 370		6
PHYS 300		3
CECS/Mathematics/Science Approved Elective <sup>4</sup>		3-6
Engineering Science Approved Elective <sup>4</sup>		3-6
Non-ECE Elective		3
	General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>		12
COMM 111 <sup>2</sup> or 112 <sup>2</sup>		3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>		3
<b>Total</b>		<b>105</b>
<b>Total</b>	<b>Hours</b>	
<b>Bachelor of Science in Electrical Engineering</b>	<b>136</b>	

<sup>1</sup> Acceptance into the Department of Electrical Engineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

<sup>4</sup> These electives must be chosen from the list of approved courses on file in the department. Students must take 3 hours of Engineering Science Electives and 3 hours of CECS/Mathematics/Science Electives. An additional 3 hours of electives must be taken from either category.

# Electrical Engineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Master of Engineering in Electrical Engineering

Major: EE

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Electrical & Computer Engineering

### Graduate Studies

Thesis/Paper Option<sup>1</sup>

Courses	Hours
ECE 500-level Program Electives <sup>2</sup>	9
ECE 600-level Program Electives <sup>2</sup>	9
XXX 500-level Technical Elective <sup>3</sup>	3
XXX 600-level Technical Elective <sup>3</sup>	3
ECE 697 or ECE 698	8
<b>Minimum Total</b>	<b>32</b>

Course Only Option<sup>1</sup>

Courses	Hours
ECE 500-level Program Electives <sup>2</sup>	13
ECE 600-level Program Electives <sup>2 4</sup>	13
XX 500-level Technical Elective <sup>3</sup>	3
XX 600-level Technical Elective <sup>3</sup>	3
<b>Minimum Total</b>	<b>32</b>

<sup>1</sup> A total of nine semester hours of design electives is required in Graduate Studies. A list of approved Design Electives is available in the Department.

<sup>2</sup> Courses selected to meet the 500 and 600 level Program Electives require the approval of the student's advisor. Note that 600 level courses may be substituted for 500 level courses.

<sup>3</sup> Courses selected to meet the 500 and 600 level Technical Electives require the approval of the student's advisor. Note that 600 level courses may be substituted for 500 level courses.

<sup>4</sup> Must include ECE 699 or a course from a list of approved research/project courses, maintained by the Department, and ECE 696.

<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Electrical Engineering</b>	<b>136</b>
<b>Graduate Studies</b>	<b>32</b>
<b>Master of Engineering in Electrical Engineering</b>	<b>168</b>

### **Master of Science Program in Electrical Engineering**

The Department also offers a program leading to the Master of Science degree in Electrical Engineering. This program is available to persons who have an adequate background in mathematics, physics, and the use of computers, but who do not have a baccalaureate degree in electrical engineering. Persons having a baccalaureate degree in electrical engineering from another institution may also find the Master of Science degree more appropriate. Students interested in the Master of Science degree program should consult the Graduate Catalog or the Office of the Director of Graduate Studies of the ECE Department.

### **Ph.D. in Electrical Engineering**

The Electrical and Computer Engineering Department offers a Ph.D. degree in Electrical Engineering. Students interested in the EE Ph.D. program should consult the Graduate Catalog or the Office of the Director of Graduate Studies of the ECE Department.

### **Ph.D. in Computer Science And Engineering**

The Electrical and Computer Engineering Department and the Computer Engineering and Computer Science Department jointly offer the Ph.D. degree in Computer Science And Engineering (CSE). Students interested in the Ph.D. program should consult the Graduate Catalog or the Coordinator of the CSE Ph.D. program.

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# Engineering Management (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Master of Engineering in Engineering Management

Major: EM

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Industrial Engineering

The Department of Industrial Engineering of the J. B. Speed School of Engineering offers an evening program in Engineering Management that has been developed to meet the needs of practicing engineers who find themselves performing line or staff managerial functions in technological enterprises. The program is designed to build upon the mathematical and analytical expertise gained from prior engineering education as well as upon his or her professional experience gained in the course of active engineering employment.

A requirement for admission to the program is that the applicant possess a baccalaureate degree in engineering from a college or university offering programs which are accredited by the Engineering Accreditation Commission of ABET, Inc. In addition, it is expected that the student be actively engaged in full-time professional employment during the period of enrollment in the degree program. The assumption is made that entering students are reasonably competent in a computer programming language such as C++, C, FORTRAN, PASCAL, Visual Basic, or Java.

Students may choose either a thesis curriculum or an alternative curriculum that permits students to graduate without preparing a thesis. If the thesis curriculum is selected, the student must submit a written thesis and present it orally before an examining committee. In order to emphasize the strong orientation of the program toward the solution of ongoing practical problems in the management of technological enterprises, every effort is made to select a thesis topic which involves regular employment experience. The ability of the student to perform an in-depth study of such a problem with the guidance and assistance of a faculty advisory committee is judged to be an important part of the program under the thesis option.

In the alternative curriculum for the Master of Engineering degree, the six (6) semester hours of thesis credits are replaced with three (3) semester hours of additional engineering management or industrial engineering approved course electives, plus three (3) semester hours of engineering management project (EM 699) resulting in a project paper. The purpose of the project paper is to provide the student with an opportunity to practically utilize, in a real world setting, an amalgam of subject matter from the engineering management discipline. Each student choosing this option will undertake an independent study and report the findings in a paper. The paper will be evaluated by the student's faculty advisor, who determines a grade for the paper. This grade will be based upon the quality of the written report, after consideration of any clarifications provided by the student in an oral discussion of the paper. The requirements for the Master of Engineering degree, with specialization in the field of engineering management, are as follows:

<b>Courses</b>	<b>Hours</b>
EM 513, 525, 561, 582, 628, 670	18

EM or IE approved electives	6
Thesis Alternative: EM 690	
or	6
Non-Thesis Alternative: EM 699, EM or IE Elective	
<b>Total</b>	<b>30</b>

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# English (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in English

Major: ENGL

Degree: BA

Unit: College of Arts and Sciences (AS)

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. Admission to the major in English requires completion of ENGL 310 with a minimum grade of C-; a minimum cumulative grade point average of 2.0; and a minimum grade point average of 2.0 in courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Social or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>22</b>

### Department of English<sup>1</sup>

Type	Hours
English 310 <sup>2</sup>	3
Historical Surveys	12

This requirement is met by taking a course in each of the following historical divisions. At

least one of these four courses must be a WR course.

-English 301; or English 313 (WR) or 314 (WR)

-English 302; or English 315 (WR), 316 (WR) or 317 (WR)

-English 311; or English 318 (WR) or 319 (WR)

-English 312; or English 320 (WR), 321 (WR), 322 (WR) or 323 (WR)

English 491

3

English electives at the 300-level or above

6

English electives at the 400-level or above

9

**Minimum Total**

**33**

## Supporting Courses

Type	Hours
Electives in Humanities discipline other than English, at 300 level or above	12
Electives in Humanities discipline other than English, at 400 level or above	3
<b>Minimum Electives</b>	<b>17</b>
<b>Minimum Total</b>	<b>121</b>

Only 40 hours in the major department may be applied toward the Bachelor of Arts degree. Courses in freshman composition (English 101, 102, and 105) 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.

<sup>1</sup> Major must not include more than 9 hours of creative or expository writing (including English 310), nor more than 6 hours of special topics courses.

<sup>2</sup> Students planning to major in English are strongly encouraged to take English 310 in the first semester after completion of English 102 or 105.

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# English (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in English

Minor: ENGL

Unit: College of Arts and Sciences (AS)

Department of English

Type	Hours
English 301-302, 311-312 <sup>1</sup>	12
Expository Writing at 300-500 level <sup>2</sup>	3
English electives beyond 102 or 105	3
<b>Minimum Total</b>	<b>18</b>

<sup>1</sup> Students may elect to substitute two WR courses within the English 301-302/311-312 sequence. Consult the description of the English major under the heading "Historical Surveys" for acceptable substitutions.

<sup>2</sup> The English Department recommends but does not require English 310.

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# Entrepreneurship (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor in Entrepreneurship

Minor: ENTR

Unit: College of Business (BU)

The College of Business offers a minor in entrepreneurship available to the College of Business students only. Admission to the program is competitive. For graduation, in addition to all other degree requirements, a 2.8 GPA is required in the entrepreneurship courses.

## Program Requirements

Type	Hours
MGMT 340 Entrepreneurship	3
MGMT 401 Entrepreneurship I	3
MGMT 402 Entrepreneurship II	3
MGMT 403 Entrepreneurship III	3
<b>Total</b>	<b>12</b>

\*Note: You must have junior standing and have taken Accounting 201 and 202, Management 301, and Marketing 301 prior to enrolling in Entrepreneurship 401. You must have completed CIS 300 and Finance 301 prior to enrolling in Entrepreneurship 402.

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# Business Administration in Equine Business (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Equine Business**

Major: EQIN

Degree: BSB

Unit: College of Business (BU)

Department: Economics

Program: Equine Industry Program

 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.

+ See general education requirements in the General Information section of this Catalog.

### **University wide General Education**

<b>Type</b>	<b>Hours</b>
English 101 and 102	6
Comm 111, 112, 115, PolS 111, or WGST 203	3
Math (See Programmatic Req.)	*(3)
+ Natural Sciences	7
+ Arts & Humanities	6
+ Social & Behavioral Sciences	*(9)6
<b>Total</b>	<b>28(34)</b>

\* **Note:** Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### **Programmatic Requirements of the COB**

<b>Type</b>	<b>Hours</b>
Camp 100 Campus Culture	1
Mathematics 107; 111 or 205 *(completes Math Gen Ed)	6 <sup>1</sup>

Logic, Phil 311 or 312	3
Ethics, Phil 222, 225, 321 or 323	3
English 306 Business Writing	3
BUS 201 Career Development	1
Accounting 201-202	6
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6
Management 201 (Statistics)	3
CIS 100 Microcomputer Applications	3
<b>Total</b>	<b>35</b>

### **Business Breadth**

<b>Type</b>	<b>Hours</b>
FIN 301 Corporate Finance	3
MKT 301 Principles of Marketing	3
MGMT 301 Management and Org. Behavior	3
CLAW 301 Legal Environment of Business	3
CIS 300 Computer Information Systems	3
MGMT 401 Operations Management	3
<b>Minimum Total</b>	<b>18</b>

### **Equine Business Depth**

<b>Type</b>	<b>Hours</b>
EQIN 101 Equine Management	3
EQIN 202 Horse Industry Overview	3
EQIN 302 Equine Economics	3
EQIN 304 Equine Marketing	3
EQIN 313 Equine Commercial Law	3
EQIN 401 Equine Taxation	2
EQIN 402 Enterprise Analysis and Production Management	3
EQIN 403 Equine Financial Management	3
EQIN 404 Current Equine Issues	3
EQIN 499 Independent Study or specified business elective <sup>2</sup>	3
EQIN Electives (EQIN 203, 205, 206, 301, 303, 398, 406, 490)	1-3
Business or Equine Elective (300-400 level)	3
Arts and Sciences Electives	12
*EQIN 398 Co-op in Equine (must have at least 3.0 GPA; optional course)	
<b>Minimum Total</b>	<b>126<sup>3</sup></b>

\*\* All prerequisites must be followed.

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of math.

<sup>2</sup> Students may select one of the following courses instead of the Independent Study: ACCT 353, ACCT 401, ECON 401, ECON 402, ENTRE 401 (must be admitted to ENTRE Minor) FIN 401, FIN 402, FIN 414, FIN 441, FIN 450, MGMT 405, MGMT 441, or MKT 441

<sup>3</sup> 6 hours of cultural diversity courses are required and may be included with the degree program.

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# Equine Business (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Equine Business

Minor: EQIN

Unit: College of Business (BU)

Department: Economics

Program: Equine Industry Program

The minor shall be open to all majors 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 equine business minor based on the student's academic performance. For graduation, in addition to all other degree requirements, a 2.8 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.

## Program Prerequisites

Type	Hours
Accounting 201	3
Accounting 202	3
Economics 201	3
Economics 202	3
Mgmt 201 (Statistics)	3
CIS 100	3
<b>Total</b>	<b>18</b>

## Program Core

Type	Hours
EQIN 302 Equine Economics	3
EQIN 304 Equine Marketing	3
EQIN 403 Equine Financial Management	3
Equine elective (Any equine course except equine 402 and co-op)	3
<b>Total</b>	<b>12</b>
<b>Minimum Total</b>	<b>30</b>

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# Equine Business (CEA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Certificate in Equine Business

Major: EQNC

Degree: CEA

Unit: College of Business (BU)

Department: Economics

Program: Equine Industry Program

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 30-33 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 51 credit hours for those persons lacking in the certificate prerequisites.

Admission requirements include submission of an 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.

## Certificate Prerequisites

Type	Hours
Economics 201-202	6
Accounting 201-202	6
Mgmt 201 (Statistics)	3
CIS 100	3
FIN 301	3
<b>Minimum Total</b>	<b>21</b>

## Certificate Requirements

Type	Hours
EQIN 101 Equine Management	3
EQIN 202 Horse Industry Overview	3
EQIN 302 Equine Economics	3
EQIN 304 Equine Marketing	3
EQIN 313 Equine Commercial Law	3
EQIN 401 Equine Taxation	2

EQIN 402 Enterprise Analysis and Production Management	3
EQIN 403 Equine Financial Management	3
EQIN 404 Current Equine Issues	3
EQIN* 499 Independent Study or specified equine elective	3
EQIN Electives (EQIN 203, 205, 206, 301, 303, 406, 490)	1-3
<b>Minimum Total</b>	<b>30</b>

\*NOTE: Student may select 6 additional hours of equine electives instead of Independent Study

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# Exercise Science (Minor)

## Minor in Exercise Science

Minor: ESSM

Unit: College of Education and Human Development

Department: Health and Sports Sciences

Type	Semester Hours	Total
HSS 388 Principles of Athletic Conditioning*	3	
HSS 394 Principles of Exercise Science	3	
HSS 395 Personal Trainer Workshop*	3	
HSS 396 Health/Fitness Instructor Lab*	3	
HSS 486 Advanced Exercise Physiology*	3	

### Select 6 hours from the following:

HSS 303 Human Nutrition	3	
HSS 386 Structure and Function I	3	
HSS 387 Biomechanics*	3	
HSS 389 Prevention and Care of Athletic Injuries*	3	
HSS 418 Diverse Populations in Physical Activity	3	
HSS 597 Special Topics in HSS	3	

### Minimum Total

**21**

\*Please note that these courses have prerequisite requirements which may not be listed in the courses above.

**Note:** A 2.5 gpa is required in the minor. Only one "D" will be accepted in courses for the minor.

To apply for the minor: <http://louisville.edu/education/ssa/online-forms>

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# Business Administration in Finance (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Business Administration in Finance (BSB)

Major: FIN

Degree: BSB

Unit: College of Business (BU)

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.

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Semester Hours	Total
English 101 and 102	6	
Comm 111, 112, 115, PolS 111, or WGST 203	3	
Math (See Programmatic Req.)	*(3)	
+ Natural Sciences	7	
+ Arts & Humanities	6	
+ Social & Behavioral Sciences	*(9)6	
Total		28 (34)

\* Note: Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Semester Hours	Total
Camp 100 Campus Culture	1	
Mathematics 107; 111 or 205 <sup>1*</sup> (completes Math Gen Ed)	6 <sup>2</sup>	
Logic, Phil 311 or 312	3	
Ethics, Phil 222, 225, 321 or 323	3	
English 306 Business Writing	3	
BUS 201 Career Planning	1	
Accounting 201-202	6	

Economics 201-202* (Completes 3 hours of Soc. & Beh. Sci)	6	
Management 201 (Statistics)	3	
CIS 100 Microcomputer Applications	3	
Total		35

### Business Breadth

Type	Semester Hours	Total
FIN 301 Corporate Finance	3	
MKT 301 Principles of Marketing	3	
MGMT 301 Management and Org. Behavior	3	
CLAW 301 Legal Environment of Business	3	
CIS 300 Computer Information Systems	3	
MGMT 401 Operations Management	3	
Total		18

### Finance Depth

Type	Semester Hours	Total
ACCT 301 Intermediate Accounting	3	
FIN 304 Financial Statement Analysis	3	
FIN 370 International Finance	3	
FIN 401 Investments	3	
FIN 414 Econ. Anal. & Forecasting	3	
FIN 433 Financial Markets and Institutions	3	
FIN 475 Capstone in Finance	3	
FIN Elective**	6	
Arts and Sciences Electives	18	
Total		45

### Minimum Total 126<sup>3</sup>

<sup>1</sup> For students with strong high school mathematics backgrounds, and for students who intend to pursue graduate work in finance, Mathematics 205-206 is recommended. Math 206 may be used for Math 107.

<sup>2</sup> If Math 205-206 is taken, there will be 8 total hours of math.

<sup>3</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\*\* Co-operative Education is an elective curriculum option for up to six (6) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences. Participation in the COB Co-op program is encouraged to strengthen the B.S.B.A. degree for enhanced student marketability.

\*\*\*All prerequisites must be followed (see undergraduate catalog).

# Finance (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Finance

Minor: FIN

Unit: College of Business (BU)

The College of Business offers a minor in finance available to all U of L students. Completion of program prerequisites and a 2.8 cumulative grade point average is required before enrolling in the finance courses. For graduation, in addition to all other degree requirements, a 2.8 GPA is required in the finance courses.

Semester

<b>Program Prerequisites</b>	<b>Semester Hours</b>	<b>Total</b>
ACCT 201 Principles of Accounting I	3	
ACCT 202 Principles of Accounting II	3	
ECON 201 Principles of Microeconomics	3	
ECON 202 Principles of Macroeconomics	3	
CIS 100 Microcomputer Applications	3	
MGMT 201 Business Statistics (prereq: Math 107)	3	
<b>Total</b>		<b>18</b>

<b>Program Core</b>	<b>Semester Hours</b>	<b>Total</b>
FIN 301 Corporate Finance	3	
FIN 370 international Finance	3	
FIN 401 Investments	3	
FIN 433 Financial Markets and Institutions	3	
<b>Total</b>		<b>12</b>

**Minimum Total 30**

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# Foreign Language (P-12) (Teacher Certification)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Teacher Certification in Foreign Language (P-12)

Unit: College of Education and Human Development

Teacher certification in Foreign Language Education (grades P-12), in Spanish or French, is available at both the undergraduate and graduate level.

Students interested in teacher certification at the graduate level through the Master of Arts in Teaching (MAT) degree must first complete a baccalaureate degree with a major in Spanish or French before entering the teacher certification program at the graduate level. Students must apply and be accepted into the MAT program in order to complete teacher certification.

The following courses are prerequisites for application to the Master of Arts in Teaching degree. They may be taken as part of the baccalaureate degree program. In addition to these courses, other credentials must be submitted. Also, applicants are required to have a 2.75 overall grade point average and meet the minimum score requirements on the Graduate Record Examination. For a complete listing of admission requirements and application deadlines, contact the College of Education and Human Development Advising Center.

Type	Semester Hours
Speech Communication (or Speech Proficiency Exam)	3
Bachelor's degree including teaching field in one of the following: Spanish or French	Minimum 30

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# Foreign Literature (in English) (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Foreign Literature (in English)

Minor: FLIT

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Eighteen (18) hours chosen from the following courses in a minimum of three of the areas:		
Asian: Humanities 369		
Chinese: Chinese Studies 331, 335, 351, 352, 353, 361		
French: Modern Languages 351		
German: Modern Languages 361, 362, 363, 364		
Russian: Modern Languages 353, 354		
Spanish: Modern Languages 355, 356, 357, 358		
Italian: Humanities 581		
<b>Minimum Total</b>		<b>18</b>

Modern Languages 313, 551-552, 553, Humanities 361-362, 561-562 may count toward minor when topic focuses on individual foreign literatures. For other foreign language degree programs, see specific language entry.

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# French (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in French

Major: FREN

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Semester Hours Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Social Sciences or Natural Sciences <sup>1</sup> (in addition to courses counted toward General Education; 3 hours must be at the 300 level or above)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>19</b>

## Program in French

Type	Hours
French 320, 321, 322 <sup>2</sup> , 331, 332, 455, 523, 524, and 590	27
French elective at the 300 level or above	3
French elective at the 500 level	3
<b>Total</b>	<b>33</b>

## Supporting Courses

<b>Type</b>	<b>Hours</b>
Humanities 591, 592, 593, 594, 595 or 596	3
Electives in Humanities disciplines, other than French, at 300 level or above <sup>3</sup>	15
Anthropology 315, 346, 352, 383 OR History 308, 309, 351, 352, 353, 355, 358, 368, 369, 394, 551, 572, 577, 579, 582, 583, 588 OR Pan-African Studies 369, 375, 385, 394, 395 OR Political Science 334, 336, 340, 349, 502 OR Women's and Gender Studies 346, 530, 531, 571 (select one)	3
<b>Total</b>	<b>21</b>

### **Electives & Total Hours**

<b>Type</b>	<b>Hours</b>
Minimum Electives	14
<b>Minimum Total</b>	<b>121</b>

No more than 40 hours in French may be applied toward the Bachelor of Arts degree. French 121-123 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.

<sup>1</sup> Note: Additional 3 hours of Arts and Sciences programmatic requirement in Natural Sciences or Social Sciences is met in supporting coursework.

<sup>2</sup> Fulfills WR requirement.

<sup>3</sup> Majors in one foreign language may count courses at the 300 level or above in another foreign language toward this requirement.

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# French (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in French

Minor: FREN

Unit: College of Arts and Sciences (AS)

Department: Classical and Modern Languages

Type	Semester Hours	Total
French 320, 321, 322	9	
Nine hours of electives in French at the 300 level or above	9	
<b>Minimum Total</b>		<b>18</b>

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# Applied Geography with concentration in Environmental Analysis (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Applied Geography with concentration in Environmental Analysis (BS)

Major: GEOG

Concentration: ENVA

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Semester Hours	Total
General Education		34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Natural Sciences or Humanities at the 300 level or above (in addition to courses counted toward General Education)	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

### Department of Geography and Geosciences

Type	Semester Hours	Total
Geography 200 <sup>1</sup> , 256, 300, 350, 356, 357, 441 <sup>2</sup> and 442 <sup>2</sup>	24	

Geoscience 200 <sup>1</sup>	3	
Environmental Foundation: Geosciences 363 and 367	6	
Geography 361	3	
Environmental Specialization: Geosciences 305, 360, 365, 370, 564, 565 and Geography 355, 390, 401, 510, 555, 561, 590 (select 3)	9	
Electives in Geography or Geosciences at the 300 level or above	6	
<b>Total</b>		<b>51</b>

### Supporting Courses

	Type	Semester Hours	Total
Electives in Social Sciences, other than Geography, at the 300 level or above	6		
<b>Total</b>			<b>6</b>

### Electives & Total Hours

Type	Hours
Minimum Electives 15-17	
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Applied Geography with concentration in GIS (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: GEOG

Concentration: GIS

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Natural Sciences or Humanities at the 300 level or above	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

## Department of Geography and Geosciences

Type	Semester Hours	Total
Geography 200 <sup>1</sup> , 256, 300, 350, 356, 357, 441 <sup>2</sup> and 442 <sup>2</sup>	24	
Geoscience 200 <sup>1</sup>	3	
<b>GIS Foundation:</b> Geography 328 and 361	6	
Geosciences 367	3	

**GIS Specialization:**

Geography 355, 367, 522, 548, 549, 557, 582, 401 (select 3) 9

Electives in Geography or Geosciences  
at the 300 level or above 6

**Total** 51

**Supporting Courses**

	Type	Semester Hours	Total
Electives in Social Sciences, other than Geography, at the 300 level or above		6	
<b>Total</b>			<b>6</b>

**Electives & Total Hours**

Type	Hours
Minimum Electives	15-17
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Applied Geography with concentration in Global and Regional Studies (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Applied Geography with concentration in Global and Regional Studies (BS)

Major: GEOG

Concentration: G&RE

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Natural Sciences or Humanities at the 300 level or above	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

### Department of Geography and Geosciences

Type	Semester Hours	Total
Geography 200 <sup>1</sup> , 256, 300, 350, 356, 357, 441 <sup>2</sup> and 442 <sup>2</sup>	24	

Geoscience 200 <sup>1</sup>	3
<b>Global and Regional Foundation :</b>	
Geography 361	3
Geoscience 363, 365, or 367 (select one)	3
Geography 327, 328, or 331 (select one)	3
<b>Global and Regional Specialization:</b>	
Geography 307	3
Geography 305, 316, or 510 (select one)	3
Geography 301, 378, or 550 (select one)	3
Electives in Geography or Geosciences at 300 level or above	6
<b>Total</b>	<b>51</b>

### Supporting Courses

	Type	Semester Hours	Total
Electives in Social Sciences, other than Geography, at 300 level or above		6	
<b>Total</b>			<b>6</b>

### Electives & Total Hours

Type	Hours
Minimum Electives 15-17	
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

# Applied Geography with concentration in Urban and Regional Analysis (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Applied Geography with concentration in Urban and Regional Analysis (BS)

Major: GEOG

Concentration: U&RA

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Natural Sciences or Humanities at the 300 level or above	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

### Department of Geography and Geosciences

Type	Semester Hours	Total
Geography 200 <sup>1</sup> , 256, 300, 350, 356, 357, 441 <sup>2</sup> and 442 <sup>2</sup>	24	

Geoscience 200 <sup>1</sup>	3	
Urban Foundation : Geography 327, 328, 530	9	
Urban Specialization: Geography 329, 331, 378, 390, 401, 528, 531, 550, 557, 561 (select 3)	9	
Electives in Geography or Geosciences at 300 level or above	6	
<b>Total</b>		<b>51</b>

### Supporting Courses

	Type	Semester Hours	Total
Electives in Social Sciences, other than Geography, at 300 level or above		6	
<b>Total</b>			<b>6</b>

### Electives & Total Hours

Type	Hours
Minimum Electives 15-17	
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Geography (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Geography

Minor: GEOG

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Geography 200	3	
Geography 350, 355, 357 (select one)	3	
One advanced Social Geography course from 327, 328, 331, 530	3	
One advanced Geosciences course from 363, 365, 367	3	
Electives in Geography or Geosciences	9	
<b>Minimum Total</b>		<b>21</b>

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# Geography (Environmental Analysis) (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Environmental Analysis

Minor: ENVA

Department: Geography and Geosciences

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Geosciences 200	3	
Geosciences 363, 365, 367	9	
Any three of the following:		
Geography 350, 355, 357, 361, 390 <sup>1</sup> , 590 <sup>1</sup> , or Geosciences 220, 305, 360, 370, 563, 564, 565	9	
<b>Minimum Total</b>		<b>21</b>

<sup>1</sup> Must be an environmental topic.

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# Urban and Regional Analysis (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Urban and Regional Analysis

Minor: U&RA

Unit: College of Arts and Sciences (AS)

Departments: Geography and Geosciences

	<b>Type</b>	<b>Hours</b>
Geography 200, 327, 328		9
Any 4 of Geography 331, 378, 3901, 531, 535, 538, 561, 590 <sup>1</sup>		12
<b>Minimum Total</b>		<b>21</b>

<sup>1</sup> Must be an urban topic.

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# Greek (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Greek

Minor: GR

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Greek 202	3	
Greek 301-302	6	
Electives in Greek at the 300-level or above (Normally Greek 303, 401, and 402)	9	
<b>Minimum Total</b>		<b>18</b>

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# Health and Human Performance - Exercise Science (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Health and Human Performance - Exercise Science (BS)

Major: HHP

Degree: BS

Concentration: ESS

Department: HSS

Unit: College of Education and Human Development

All students completing the Bachelor of Science degree in Health and Human Performance must complete the Core classes, program requirements, and at least one area of concentration, and appropriate related and supporting courses. A minimum of 123 hours with an overall GPA of 2.25 is required. Only one "D" will be accepted in SPAD or HSS course(s).

Type	Total
University-wide General Education requirements	34

### Program Requirements

Type	Semester Hours	Total
HSS 181 Academic Orientation	1	
HSS 101-167 Physical Education Activity Courses	2	
HSS 184 Healthy Lifestyles I	3	
<b>Total</b>		<b>6</b>

### Core Classes

Type	Semester Hours	Total
HSS 180 First Aid and Safety Education	3	
HSS 202 Human Anatomy and Physiology	3	
HSS 293 Social and Psychological Dimensions of Physical Activity	3	
HSS 302 Nutrition in Healthy Living	3	
OR HSS 303 Human Nutrition		
HSS 320 Growth and Motor Development Across Lifespan	3	
HSS 377 HSS Tests and Measurement	3	

HSS 387 Biomechanics	3	
HSS 394 Intro to Exercise Science	3	
HSS 418 Diverse Populations in Physical Activity and Health	3	
HSS 492 Cooperative Internship/Practicum in HSS	3	
<b>Total</b>		<b>30</b>

### **Concentration in Exercise Science**

Type	Semester Hours	Total
HSS 386 Structure and Function I	3	
HSS 388 Principles of Athletic Conditioning	3	
HSS 389 Prevention and Care of Athletic Injuries	3	
HSS 390 Structure and Function II	3	
HSS 395 Personal Trainer Workshop	3	
HSS 396 Health/Fitness Instructor Lab	3	
HSS 486 Advanced Exercise Physiology	3	
Electives (consult advisor)	32	
<b>Total</b>	<b>53</b>	

**Minimum Total 123**

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# Health and Human Performance - Physical Education (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Health and Human Performance - Physical Education (BS)

Major: HHP

Degree: BS

Concentration: PED

Department: HSS

Unit: College of Education and Human Development

All students completing the Bachelor of Science degree in Health and Human Performance must complete the Core classes, program requirements, and at least one area of concentration, and appropriate related and supporting courses. A minimum of 123 hours with an overall GPA of 2.25 is required. Only one "D" will be accepted in SPAD or HSS course(s).

Type	Total
University-wide General Education requirements	34

### Program Requirements

Type	Semester Hours	Total
HSS 181 Academic Orientation	1	
HSS 101-167 Physical Education Activity Courses	2	
HSS 184 Healthy Lifestyles I	3	
<b>Total</b>		<b>6</b>

### Core Classes

Type	Semester Hours	Total
HSS 180 First Aid and Safety Education	3	
HSS 202 Human Anatomy and Physiology	3	
HSS 293 Social and Psychological Dimensions of Physical Activity	3	
HSS 302 Nutrition in Healthy Living	3	
<b>OR</b> HSS 303 Human Nutrition		
HSS 320 Growth and Motor Development Across Lifespan	3	

HSS 377 HSS Tests and Measurement	3	
HSS 387 Biomechanics	3	
HSS 394 Intro to Exercise Science	3	
HSS 418 Diverse Populations in Physical Activity and Health	3	
HSS 492 Cooperative Internship/Practicum in HSS	3	
<b>Total</b>		<b>30</b>

**Concentration in Physical Education**

Type	Semester Hours	Total
HSS 270 History and Foundations of HSS	3	
HSS 326 Rhythm and Dance	3	
HSS 410 Theory of Sport Pedagogy	3	
HSS 411 Theory and Analysis of Team Sport Skills	3	
HSS 412 Theory and Analysis of Indiv Sport Skills	3	
		<b>15</b>
Electives (consult advisor)	38	
<b>Minimum Total</b>		<b>123</b>

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# Health and Human Performance - Physical Education for Teacher Preparation (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Health and Human Performance - Physical Education for Teacher Preparation (BS)

Major: HHP

Degree: BS

Concentration: PET

Department: HSS

Unit: College of Education and Human Development

All students completing the Bachelor of Science degree in Health and Human Performance must complete the Core classes, Program requirements, and at least one area of concentration and appropriate related and supporting courses.

Students interested in teacher certification at the Graduate level through the Master of Arts in Teaching degree first complete the Bachelor of Science degree in Health and Human Performance with a concentration in Physical Education OR a selected field with evidence of substantial completion of NASPE guidelines for the teaching specialty, before entering the teacher certification program at the graduate level. Students must apply and be accepted into the Master of Arts in Teaching degree program in order to complete teacher certification. Please contact CEHD for application information. The following courses are pre-requisites for application to the Master of Arts in Teaching degree in Physical Education (P-12): Speech Communication ("C" or better required or pass the College of Education and Human Development Speech Proficiency Exam), and English 102 ("C" or better in English 102 or score a minimum of 3.5 on the GRE Writing Assessment). In addition to these courses, other application credentials must be submitted. All applicants are required to have a 2.75 overall (or last 60 hours) grade point average and meet the minimum score requirements on the Graduate Record Examination (GRE). For a complete listing of admission requirements and application deadlines, contact the College of Education and Human Development Advising Center.

A minimum of 123 hours with an overall GPA of 2.25 is required. Only one "D" will be accepted in SPAD or HSS course(s).

Successful completion of the required graduate courses will culminate in a P-12 teaching certification in Health and Physical Education and a Master of Arts in Teaching degree (MAT) from the College of Education and Human Development. Passing scores on specific PRAXIS exams are also required for certification.

Type	Total
University-wide General Education requirements	34
Program Requirements	

Semester

	Type	Hours	Total
HSS 181 Academic Orientation		1	
HSS 101-167 Physical Education Activity Courses		2	
HSS 184 Healthy Lifestyles I		3	
<b>Total</b>			<b>6</b>

### Core Classes

	Type	Semester Hours	Total
HSS 180 First Aid and Safety Education		3	
HSS 202 Human Anatomy and Physiology		3	
HSS 293 Social and Psychological Dimensions of Physical Activity		3	
HSS 302 Nutrition in Healthy Living		3	
<b>OR</b> HSS 303 Human Nutrition			
HSS 320 Growth and Motor Development Across Lifespan		3	
HSS 377 HSS Tests and Measurement		3	
HSS 387 Biomechanics		3	
HSS 394 Intro to Exercise Science		3	
HSS 418 Diverse Populations in Physical Activity and Health		3	
HSS 492 Cooperative Internship/Practicum in HSS		3	
<b>Total</b>			<b>30</b>

### Physical Education Concentration

	Type	Semester Hours	Total
HSS 270 History and Foundations of HSS		3	
HSS 326 Rhythm and Dance		3	
HSS 410 Theory of Sport Pedagogy		3	
HSS 411 Theory and Analysis of Team Sport Skills		3	
HSS 412 Theory and Analysis of Indiv Sport Skills		3	
<b>Total</b>			<b>15</b>

### Teacher Education Core

	Type	Semester Hours	Total
EDTP 501 General Methods		3	
ECPY 507 Learning Theory of Human Development		3	
Four additional hours of activities (consult advisor)		4	
Electives (consult advisor)*		<b>25</b>	
<b>Minimum Degree Total</b>			<b>123</b>

### Physical Performance and Knowledge Area

**NOTE:** Students completing the teaching option are required to demonstrate skill and knowledge

proficiency in the following areas: One Exercise & Health-Related Fitness, two team sports, two individual sports, and one other 100-level activity course.

\* It is recommended that students pursue a concentration in School Health Education

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# Health and Human Performance - Public Health Education (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Health and Human Performance - Public Health Education (BS)

Major: HHP

Degree: BS

Concentration: PHE

Department: HSS

Unit: College of Education and Human Development

All students completing the Bachelor of Science degree in Health and Human Performance must complete the Core classes, program requirements, and at least one area of concentration, and appropriate related and supporting courses. A minimum of 123 hours with an overall GPA of 2.25 is required. Only one "D" will be accepted in SPAD or HSS course(s).

Type	Total
University-wide General Education requirements	34

### Program Requirements

Type	Semester Hours	Total
HSS 181 Academic Orientation	1	
HSS 101-167 Physical Education Activity Courses	2	
HSS 184 Healthy Lifestyles I	3	
<b>Total</b>		<b>6</b>

### Core Classes

Type	Semester Hours	Total
HSS 180 First Aid and Safety Education	3	
HSS 202 Human Anatomy and Physiology	3	
HSS 293 Social and Psychological Dimensions of Physical Activity	3	
HSS 302 Nutrition in Healthy Living	3	
<b>OR</b> HSS 303 Human Nutrition		
HSS 320 Growth and Motor Development Across Lifespan	3	

HSS 377 HSS Tests and Measurement	3	
HSS 387 Biomechanics	3	
HSS 394 Intro to Exercise Science	3	
HSS 418 Diverse Populations in Physical Activity and Health	3	
HSS 492 Cooperative Internship/Practicum in HSS	3	
<b>Total</b>		<b>30</b>

### **Concentration in Public Health Education**

<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
HSS 200 Exploring Health and Prevention Science	3	
HSS 310 Healthy Lifestyles II	3	
HSS 383 Health Principles & Practice	3	
HSS 430 Epidemiology of Health	3	
HSS 432 Biostatistics in Health	3	
HSS 434 Public Health Education Methods	3	
HSS 501 Stress & Tension Control	3	
HSS 503 Obesity: Causes and Control	3	
HSS 531 Leadership in Health	3	
		<b>27</b>
Electives (consult advisor)	26	
<b>Minimum Total</b>		<b>123</b>

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# Health and Human Performance - School Health Education (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Health and Human Performance - School Health Education (BS)

Major: HHP

Degree: BS

Concentration: SHE

Department: HSS

Unit: College of Education and Human Development

All students completing the Bachelor of Science degree in Health and Human Performance must complete the Core classes, program requirements, and at least one area of concentration, and appropriate related and supporting courses. A minimum of 123 hours with an overall GPA of 2.25 is required. Only one "D" will be accepted in SPAD or HSS course(s).

Type	Total
University-wide General Education requirements	34

### Program Requirements

Type	Semester Hours	Total
HSS 181 Academic Orientation	1	
HSS 101-167 Physical Education Activity Courses	2	
HSS 184 Healthy Lifestyles I	3	
<b>Total</b>		<b>6</b>

### Core Classes

Type	Semester Hours	Total
HSS 180 First Aid and Safety Education	3	
HSS 202 Human Anatomy and Physiology	3	
HSS 293 Social and Psychological Dimensions of Physical Activity	3	
HSS 302 Nutrition in Healthy Living	3	
<b>OR</b> HSS 303 Human Nutrition		
HSS 320 Growth and Motor Development Across Lifespan	3	

HSS 377 HSS Tests and Measurement	3	
HSS 387 Biomechanics	3	
HSS 394 Intro to Exercise Science	3	
HSS 418 Diverse Populations in Physical Activity and Health	3	
HSS 492 Cooperative Internship/Practicum in HSS	3	
<b>Total</b>		<b>30</b>

### Concentration in School Health Education

Type	Semester Hours	Total
HSS 200 Exploring Health and Prevention Science	3	
HSS 310 Healthy Lifestyles II	3	
HSS 384 Program Planning in Health Education	3	
HSS 385 Methods in Health Education	3	
HSS 463 Sexuality Education	3	
HSS 455 Current Trends & Studies in HSS	3	
HSS 562 Alcohol & Drug Education	3	
		<b>21</b>
Electives (consult advisor)		<b>32</b>
<b>Minimum Total</b>		<b>123</b>

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# School Health Education (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in School Health Education

Minor: SHE

Department: HSS

Unit: College of Education and Human Development

Type	Semester Hours	Total
HSS 200 Exploring Health and Prevention Science	3	
HSS 310 Healthy Lifestyles II	3	
HSS 384 Program Planning in Health Education*	3	
HSS 385 Methods in Health Education*	3	
HSS 463 Sexuality Education	3	
HSS 455 Current Trends & Studies in HSS*	3	
HSS 562 Alcohol & Drug Education	3	
<b>Minimum Total</b>		<b>21</b>

**\*Please note that these courses have prerequisite requirements which may not be listed in the courses above.**

**Note:** A 2.5 gpa is required. Only one "D" will be accepted in HSS courses.

To apply for the minor: <http://louisville.edu/education/ssa/online-forms>

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# History with concentration in Humanities (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in History with concentration in Humanities (BA)

Major: HIST

Concentration: HUM

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major. Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. Some General Education requirements may be met in the requirements for the major in which case additional electives may be required to complete the minimum hours for the degree.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>22</b>

### Department of History

Type	Semester Hours	Total
History 101-102 or 105-106	6	
American Area		

History 211-212	6	
History 305, 311, 313-316, 318-324, 326-330, 361, 362, 418, 504-506, 508, 510-512, 514-516, 518, 519, 521, 522, 524, 528, 529, 534, 537, 538, 559, 561, 583, 589, 593, 597-599 (select one)	3	
European Area		
Ancient-Medieval Period: History 301, 340, 342, 343, 346, 350-352, 358, 363, 365, 542, 551-555, 596 (select one)	3	
Modern Period: History 302, 308, 309, 324, 353-355, 359-361, 364, 366-369, 375-378, 380, 384-387, 389, 419, 504, 547, 560, 571, 572, 575, 577, 579, 582, 583, 585, 587, 588, 595 (select one)	3	
Asia, Africa, Latin American Area		
History 313, 331, 332, 333, 339, 341, 345, 356, 357, 359, 362, 367, 377-379, 390, 392-396, 398, 399, 533, 535, 545, 562, 563, 590-594 (select two)	6	
[Courses numbered 310, 410, 498, 499, 501, 502, 503 and 540 may at times also fulfill area requirements; consult History Department.]	3	
History 304 <sup>1,2</sup>		
History electives at the 300 level or above	3	
History electives at the 500 level	6	
<b>Total</b>		<b>39</b>

### Supporting Courses

Type	Semester Hours
Humanities 591 <sup>1</sup> , 592 <sup>1</sup> , 593 <sup>1</sup> , 594 <sup>1</sup> , 595 <sup>1</sup> or 596 <sup>1</sup>	3
Electives in the Division of Humanities at the 300 level or above	15

### Electives & Total Hours

Type	Hours
Minimum Electives	8
<b>Minimum Total</b>	<b>121</b>

**NOTE:** 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.

<sup>1</sup> Fulfills WR requirement

<sup>2</sup> Once a student has declared a History major, the student must enroll in History 304 as 3 of the next 12 History credit hours.

# History with concentration in Social Sciences (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## History with a concentration in Social Sciences

Major: HIST

Concentration: SSC

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major. Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. Some General Education requirements may be met in the requirements for the major in which case additional electives may be required to complete the minimum hours for the degree.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>22</b>

## Department of History

Type	Semester Hours	Total
History 101-102 or 105-106	6	
American Area		

History 211-212	6	
History 305, 311, 313-316, 318-324, 326-330, 361, 362, 418, 504-506, 508, 510-512, 514-516, 518, 519, 521, 522, 524, 528, 529, 534, 537, 538, 559, 561, 583, 589, 593, 597-599 (select one)	3	
European Area		
Ancient-Medieval Period: History 301, 340, 342, 343, 346, 350-352, 358, 363, 365, 542, 551-555, 596 (select one)	3	
Modern Period: History 302, 308, 309, 324, 353-355, 359-361, 364, 366-369, 375-378, 380, 384-387, 389, 419, 504, 547, 560, 571, 572, 575, 577, 579, 582, 583, 585, 587, 588, 595 (select one)	3	
Asia, Africa, Latin American Area		
History 313, 331, 332, 333, 339, 341, 345, 356, 357, 359, 362, 367, 377-379, 390, 392-396, 398, 399, 533, 535, 545, 562, 563, 590-594 (select two)	6	
[Courses numbered 310, 410, 498, 499, 501, 502, 503 and 540 may at times also fulfill area requirements; consult History Department.]	3	
History 304 <sup>2,3</sup>		
History electives at the 300 level or above	3	
History electives at the 500 level	6	
<b>Total</b>		<b>39</b>

### Supporting Courses

Type	Semester Hours	Total
Electives in one department in the Social Sciences Division, other than History <sup>1</sup>	6	
Electives in a second department in the Social Sciences Division, other than History <sup>1</sup>	6	
Electives in Social Sciences Division, other than History, at the 300 level or above	6	
<b>Total</b>		<b>18</b>

### Electives & Total Hours

Type	Hours
Minimum Electives	8
<b>Minimum Total</b>	<b>121</b>

**NOTE:** 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.

<sup>1</sup> In addition to courses counted toward General Education

<sup>2</sup> Fulfills WR requirement.

<sup>3</sup> Once a student has declared a History major, the student must enroll in History 304 as 3 of the next 12 History credit hours.

# History (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in History

Minor: HIST

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
History 211-212	6	
Elective in European area at 300 level or above	3	
Elective in Asian, Africa, and Latin American area at 300 level or above	3	
History electives, which may not include 101-102 or 105-106	6	
<b>Minimum Total</b>		<b>18<sup>1</sup></b>

<sup>1</sup> Three (3) hours must be at the 500-level.

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# Humanities with concentration in Cultural Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Humanities with concentration in Cultural Studies (BA)

Major: HUM

Concentration: CLTR

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires completion of 15 semester hours and a minimum cumulative grade point average of 2.0.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. Some General Education requirements may be met in the requirements for the major in which case additional electives may be required to complete the minimum hours for the degree.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
* Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 3 hours must be at the 300 level or above)	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>19</b>

### Division of Humanities<sup>1</sup>

Type	Semester Hours	Total
Concentration in a period chosen from one of the following:		

Ancient Cultures, Medieval and Renaissance Cultures, Early Modern Cultures, and Modern Cultures <sup>2</sup>		
Courses in the period of concentration at 300 level or above	30	
Humanities 300-305 (3 hours in period of concentration)	3	
Humanities 591, 592, 593, 594, or 596 <sup>3</sup> (3 hours in period of concentration)	3	
Humanities 595 <sup>3</sup>	3	
Theory requirement: Humanities 509 or 510 (chosen in consultation with the Humanities Advisor )	3	
<b>Total</b>		<b>42</b>

**Supporting Courses**

	Type	Semester Hours	Total
History elective at 300 level or above in area of concentration		3	

**Electives & Total Hours**

Type	Hours
Minimum Electives	23
<b>Minimum Total</b>	<b>121</b>

At least 50 of the total minimum hours required must be at the 300 level or above.

\* Note: Additional 3 hours of college programmatic requirement is met in supporting courses.

<sup>1</sup> At least 12 hours in the major sequence must be in courses at the 500 level.

<sup>2</sup> With consent of Humanities Advisor, student may substitute up to six hours of relevant Social Sciences Division courses in the period of concentration, at the 300 level or above.

<sup>3</sup> Fulfills WR requirement.

# Humanities with concentration in Disciplinary Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Humanities with concentration in Disciplinary Studies (BA)

Major: HUM

Concentration: DISP

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires completion of 15 semester hours and a minimum cumulative grade point average of 2.0.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. Some General Education requirements may be met in the requirements for the major in which case additional electives may be required to complete the minimum hours for the degree.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
* Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 3 hours must be at the 300 level or above)	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>19</b>

### Division of Humanities<sup>1</sup>

Type	Semester Hours	Total
Concentration in two of the following fields:		

Art History, Literature, Classical and Modern Languages, Music History, Philosophy, Religious Studies, and Theatre Arts	18	
Courses in one area at 300 level or above	18	
Courses in second area at 300 level or above	3	
Humanities 591, 592, 593, 594, 595, or 596 <sup>2</sup>	3	
Theory requirement: Humanities 509 or 510 (chosen in consultation with the Humanities Advisor)	3	
<b>Total</b>		<b>42</b>

### Supporting Courses

	Type	Semester Hours	Total
History elective at 300 level or above		3	

### Electives & Total Hours

Type	Hours
Minimum Electives	23
<b>Minimum Total</b>	<b>121</b>

At least 50 of the total minimum hours required must be at the 300 level or above.

\* Note: Additional 3 hours of college programmatic requirement is met in supporting courses.

<sup>1</sup> At least 12 hours in the major sequence must be in courses at the 500 level.

<sup>2</sup> Fulfills WR requirement.

# Humanities (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Humanities

Minor: HUM

Unit: College of Arts and Sciences (AS)

The student may choose either the Cultural Studies or the Disciplinary Studies option.

Type	Semester Hours	Total
<b>Cultural Studies Option:</b>		
Concentration in a period chosen from the following: Ancient Cultures, Medieval and Renaissance Cultures, Early Modern Cultures, and Modern Cultures.		
Courses in the period of concentration at 300 level or above		
	15	
Humanities 300-305: 3 hours in period of concentration	3	
Theory requirement: Humanities 509 or 510 (chosen in consultation with the Humanities Advisor)	3	
<b>Minimum Total</b>		<b>21</b>

Type	Semester Hours	Total
<b>Disciplinary Studies Option:</b>		
Concentration in two of the following fields within the Humanities Division: Art History, Classical and Modern Languages, Linguistics, Literature, Music History, Philosophy, Religious Studies, Theatre Arts.		
Courses in one discipline at 300 level or above		
	9	
Courses in second discipline at 300 level or above	9	
Theory requirement: Humanities 509 or 510 (chosen in consultation with the Humanities Advisor)	3	
<b>Minimum Total</b>		<b>21</b>



# Industrial Engineering (BIE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Industrial Engineering (BIE)

Major: IE

Degree: BIE

Unit: Speed School of Engineering (SS)

Department: Industrial Engineering

Students specializing in Industrial Engineering will complete the program outlined below: two semesters in Engineering Fundamentals and a further period of study in the Department of Industrial Engineering - ten semesters in Departmental Studies (for the Bachelor of Science degree) and 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 that is accredited by the Engineering Accreditation Commission of ABET, Inc.

Appropriate design experiences are presented to students throughout the industrial engineering curriculum, starting with IE 240 fundamentals at the sophomore level, continuing through the IE 499 capstone design course at the senior level, and culminating with the IE 697 master of engineering thesis or IE 699, IE masters project. At the senior level, design projects are required in facility location and layout (IE 421), simulation (IE 541), and work philosophy/ergonomics (IE 480), in addition to the capstone design course (IE 499). Students are also exposed to various levels of design experience in their three required co-ops. In the fifth year, students learn material flow systems design (IE 650), in addition to that required in completing the master of engineering thesis (IE 697) or the IE masters project (IE 699).

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
IE Core	
CECS 121 <sup>1</sup>	1
CHEM 202 <sup>1</sup> , 207 <sup>1</sup>	4
PHYS 295 <sup>1 2</sup>	1
<b>Total</b>	<b>31</b>

## Departmental Studies

Courses	Hours
Engineering Fundamentals	
ENGR 201, 205, 330	8
Department	
IE 240, 288, 289, 320, 360, 370, 380, 389, 415, 421, 425, 430, 480, 489, 499, 525, 541, 563	49
IE Electives	6
Speed/University	
CEE 205	3
CHE 253	3
ECE 252	3
ME 251	3
PHYS 296, 299	5
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	15
COMM 112 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>101</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Industrial Engineering</b>	<b>132</b>

<sup>1</sup> Acceptance into the Department of Industrial Engineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional 3-hour Humanities/SS elective course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

# Industrial Engineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Master of Engineering in Industrial Engineering (MEN)

Major: IE

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Industrial Engineering

Students admitted to Graduate Studies will pursue the degree Master of Engineering with specialization in the field of Industrial Engineering. The objective of this program is to build upon the B.S. program requirements to provide qualified students with more educational breadth and depth in the field.

The breadth component is achieved by a fifteen semester hour set of core courses which builds upon the general knowledge gained in the undergraduate program. The program of study culminates in a six semester hour thesis or a 3 semester hour project. The course requirements for both the breadth and depth components are specified below.

### Graduate Studies

<b>Courses</b>	<b>Hours</b>
IE 581, 630, 640, 650, 657	15
IE Electives	9
Thesis Alternative - IE 697 <sup>1</sup> or	6
Non-Thesis Alternative - IE 699 <sup>2</sup> , IE Elective	
<b>Total</b>	<b>30</b>

<sup>1</sup> A regularly enrolled full-time student is required to select both an approved M.Eng. thesis topic and the members of the thesis committee during the summer semester of the final Departmental Studies semester.

<sup>2</sup> A regularly enrolled full-time student is required to select both an approved M.Eng. project topic and project advisor during the summer semester of the final Departmental Studies semester.

<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Industrial Engineering</b>	<b>132</b>
<b>Graduate Studies</b>	<b>30</b>
<b>Master of Engineering in Industrial Engineering</b>	<b>162</b>

### **Master of Science Program in Industrial Engineering**

The Department also offers a program leading to the Master of Science degree in Industrial Engineering. This program is available to persons who have an adequate background in mathematics, physics, and the use of computers, but who do not have a baccalaureate degree in engineering, or who have a baccalaureate degree in an engineering discipline other than Industrial Engineering. Persons having a baccalaureate degree in Industrial Engineering from another institution may also find the Master of Science degree more appropriate. Students interested in the Master of Science degree program should consult the Graduate Catalog or the Chair of the Department of Industrial Engineering.

### **Ph.D. in Industrial Engineering**

The Department also offers the Ph.D. degree in Industrial Engineering. Students interested in the Ph.D. program should consult the Graduate Catalog or the Chair of the Department of Industrial Engineering.

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# International Business (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in International Business

Minor: IBUS

Unit: College of Business (BU)

The College of Business offers a minor in international business available to College of Business students only. If academically planned, the International Business minor course requirements can be incorporated within the undergraduate degree program requirements.

Type	Semester Hours	Total
<b>Foreign Language Requirement</b> A minimum of 8 hours must be in the same language.	12	
<b>International Business Courses</b> To be chosen from the international course offerings in the disciplines of Economics, Finance, Management, and Marketing. See approved list in the College of Business, Reinhardt Academic Center	6	
<b>Arts &amp; Sciences International Course</b> See approved list in the College of Business, Reinhardt Academic Center.	3	
<b>Minimum Total</b>		<b>21</b>

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# Italian (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Italian

Minor: ITAL

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Italian 221	4	
Italian 321, 322	6	
Nine hours of electives in Italian at the 300 level or above	9	
<b>Minimum Total</b>		<b>19</b>

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# Jewish Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Jewish Studies

Minor: JS

Unit: College of Arts and Sciences (AS)

Note: The Jewish Studies minor is housed in the Humanities Division Program.

Type	Semester Hours	Total
Humanities 309 and 510	6	
Four courses from the following: Hebrew 201 and 202 Humanities 311, 315, 317, 318, 387 History 360, 361, 512	12	

(Additional courses in other departments or topics courses in Humanities with a Jewish Studies emphasis may be used with approval of the Humanities Program advisor.)

**Minimum Total** **18**

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# Latin (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Latin

Minor: LAT

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Latin 202	3	
Latin 301-302	6	
Nine hours of electives in Latin at the 300 level or above	9	
<b>Minimum Total</b>		<b>18</b>

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# Latin American Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Latin American Studies

Minor: LAS

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Latin American Studies 310	3	
Spanish or Portuguese at the 200 level or above	3	
Humanities 380, 382, 562; Modern Languages 260, 313, 356, 357, 358, 551 (select one) <sup>1</sup>	3	
Two courses from any of the following <sup>1</sup> :	6	
Anthropology 316, 325, 328;		
History 331, 332, 333/Women's and Gender Studies 333, 503, 530, 533, 534, 535;		
Pan African Studies 360, 505, 510, 532, 533, 542, 581/ART History 544;		
Political Science 370, 371, 554, 563/Women's and Gender Studies 558		
Elective with a substantial Latin American content (to be chosen in consultation with the director)	3	
Latin American Studies 400 (Internship)	3	
<b>Minimum Total</b>		<b>21</b>

<sup>1</sup> Substitutions must be approved by the director of the Latin American and Latino Studies program.

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# Latino Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Latino Studies

Minor: LALS

Unit: College of Arts and Sciences (AS)

<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
Latin American Studies 310	3	
Approved elective in Humanities (choose one) Humanities 380, 382; Latin American Studies 314; Modern Languages 260, 356, 357, 358	3	
Approved electives in Social Sciences Anthropology 316, 325, 328; History 331, 332, 333, 533, 535; Pan African Studies 360, 505, 510, 532, 533, 542; Political Science 370, 371, 554, 563	6	
Approved elective with substantial Latin American or Latino content This elective may be met by taking an additional one of the courses listed above or one of the following: Art History 544/Pan-African Studies 581; Spanish 403, 404, 524, 527, 528, 529, 530, 554; Women's and Gender Studies 333, 401, 558, 593	3	
Latin American Studies 401 (Internship)	3	
Spanish at the 200 level	3	
<b>Minimum Total</b>		<b>21</b>

Special Topics courses in several departments, including Anthropology 314, Humanities 562, History 310, Modern Languages 313 and 551, and Spanish 313 may be applicable to the minor in Latino Studies, depending on specific content. Consult the Latin American and Latino Studies program advisor.

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# Liberal Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in Liberal Studies (BA)

Major: LBST

Degree: BA

Unit: College of Arts and Sciences (AS)

Liberal Studies is an independent major for students who have a goal that requires an interdisciplinary curriculum. Proposals must be approved by the program director prior to admission to the major. Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For additional information, go to the Liberal Studies website ([www.louisville.edu/a-s/lbst](http://www.louisville.edu/a-s/lbst)) or contact the program advisor at 852-2249.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13</b>

## Liberal Studies Program

Type	Semester Hours	Total
Liberal Studies 300	3	
English 309 <sup>1</sup>	3	
Senior Seminar	3	
<b>Total</b>		<b>9</b>

## Fields of Concentration

Type	Semester Hours	Total
First concentration (approved A&S minor) <sup>2</sup>	18-21	
Second concentration <sup>3</sup>	12-18	
Third concentration	12-18	
Other*	9-18	
<b>Total</b>		<b>42-48</b>

### Electives & Total Hours

Type	Hours
Minimum Electives	17-23
<b>Minimum Total</b>	<b>121</b>

**NOTE:** 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. Up to 24 credit hours outside the College of Arts and Sciences may be accepted toward the baccalaureate degree.

<sup>1</sup> Fulfills one WR requirement

<sup>2</sup> 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 area of concentration is unnecessary. See program advisor for additional information.

<sup>3</sup> The Third Area of Concentration may be a block of courses from one of five University divisions outside the College of Arts and Sciences: College of Business, College of Education and Human Development, School of Music, School of Nursing or Speed Scientific School.

\* Some majors choose to include additional concentration(s).

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# Business Administration in Management (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Business Administration in Management (BSB)**

Major: MGMT

Degree: BSB

Unit: College of Business (BU)

**The Department of Management and Entrepreneurship has suspended the Management major. Students currently enrolled in the major must complete the degree requirements no later than Spring 2014. Students admitted to the University prior to Spring 2009 should consult the management advisor about program offerings to ensure timely completion of degree requirements.**

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# Management (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Management

Minor: MGMT

Unit: College of Business (BU)

The College of Business offers a minor in management available to College of Business students only. For graduation, in addition to all other degree requirements, a 2.8 GPA is required in the management courses.

### Program Prerequisites

Type	Semester Hours	Total
ECON 201 Principles of Microeconomics	3	
ECON 202 Principles of Macroeconomics	3	
ACCT 201 Principles of Financial Accounting	3	
ACCT 202 Principles of Managerial Accounting	3	
MGMT 201 Business Statistics	3	
CIS 100 Microcomputer Applications	3	
CIS 300 Computer Information Systems	3	
<b>Total</b>		<b>21</b>

### Program Core\*

Type	Semester Hours	Total
MGMT 301 Management and Org. Behavior	3	
MGMT 401 Operations Management	3	
MGMT 305, 441, or 460 (select one)	3	
Management Electives*	6	
<b>Total</b>		<b>15</b>
<b>Minimum Total</b>		<b>36</b>

\* Management Electives may be chosen from any 300- or 400-level courses offered by the Department of Management and Entrepreneurship.



# Business Administration in Marketing (BSB)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Business Administration in Marketing (BSB)

Major: MKT

Degree: BSB

Unit: College of Business (BU)

+ See general education requirements in the General Information section of this Catalog.

### University wide General Education

Type	Semester Hours	Total
English 101 and 102	6	
Comm 111, 112, 115, PolS 111, or WMST 203	3	
Math (See Programmatic Req.)	*(3)	
+ Natural Sciences	7	
+ Arts & Humanities	6	
+ Social & Behavioral Sciences	*(9)	6
<b>Total</b>		<b>28 (34)</b>

\* Note: Programmatic Requirements include six hours of the Gen. Ed. (3 hours Math and 3 hours Social & Behavioral Sciences)

### Programmatic Requirements of the COB

Type	Semester Hours	Total
Camp 100 Campus Culture	1	
Mathematics 107; 111 or 205 * (completes Math Gen Ed)	6 <sup>1</sup>	
Logic, Phil 311 or 312	3	
Ethics, Phil 222, 225, 321, or 323	3	
English 306 Business Writing	3	
BUS 201 Career Development	1	
Accounting 201-202	6	
Economics 201-202 *(Completes 3 hours of Soc. & Beh. Sci.)	6	
Management 201 (Statistics)	3	
CIS 100 Microcomputer Applications	3	
<b>Total</b>		<b>35</b>

## Business Breadth

Type	Semester Hours	Total
FIN 301 Corporate Finance	3	
MKT 301 Principles of Marketing	3	
MGMT 301 Management and Org. Behavior	3	
CLAW 301 Legal Environment of Business	3	
CIS 300 Computer Information Systems	3	
MGMT 401 Operations Management	3	
<b>Total</b>		<b>18</b>

## Marketing Depth

Type	Semester Hours	Total
MKT 350 Consumer Behavior	3	
MKT 360 Professional Relationship Selling	3	
MKT 441 Marketing Research	3	
MKT 460 Integrative Marketing Strategy	3	
Marketing Electives*	12	
Business Electives (not Marketing)	6	
Arts and Sciences Electives	12	
<b>Total</b>		<b>42</b>

**Minimum Total 123<sup>2</sup>**

<sup>1</sup> If Math 205 is taken, there will be 7 total hours of Math.

<sup>2</sup> Six hours of cultural diversity courses are required and may be incorporated within the degree program.

\* 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. A maximum of three (3) co-op credits may be taken in any one semester. Pass/Fail credit is given for approved College of Business co-op work experiences.

\*\* All prerequisites must be followed (see undergraduate catalog).

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# Marketing (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Marketing

Minor: MKT

Unit: College of Business (BU)

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 Marketing Minor program based on the student's academic performance.

## Program Prerequisites

Type	Semester Hours	Total
CIS 100 Microcomputer Applications <sup>1</sup>	3	
MGMT 201 Business Statistics or equivalent	3	
<b>Total</b>		<b>6</b>

## Program Core\*

Type	Semester Hours	Total
MKT 301 Principles of Marketing	3	
Marketing Electives <sup>2</sup>	9	
<b>Total</b>		<b>12</b>
<b>Minimum Total</b>		<b>18</b>

<sup>1</sup> Students have the option to "test out" of CIS 100.

<sup>2</sup> Marketing electives are to be chosen by the individual student, preferably, with the advice and counsel of the student's advisor or the academic unit's advising office. The flexibility inherent in the use of marketing electives would enable the individual student to pursue those courses that would be most consistent with his/her academic interests and career objectives. For example, an engineering student planning to go into industrial sales may want to take Business to Business Marketing, Personal Selling, and Sales Management. On the other hand, a Sports Administration major who is interested in the promotion of sporting events may want to take Consumer Behavior, Marketing Research, and Market Promotion. Six hours of the electives must be completed at the University of Louisville

\* Marketing Minors are not permitted to take COB Co-ops (MKT 397, 398, or 399) or MKT 460. SPAD 383 cannot be counted as a marketing elective or used as a substitute for Marketing 301.

Students must maintain a grade point average of 2.8 or higher in the program core courses to remain

in good standing in the Marketing Minor program and to be awarded the minor upon graduation.

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# Mathematics (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Mathematics (BA)

Major: MATH

Degree: BA

Unit: College of Arts and Sciences (AS)

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.

NOTE: Admission to the major 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.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
Electives in Humanities or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>22</b>

## Mathematics Department

Type	Semester	Total
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	<b>Hours</b>
Mathematics 205 <sup>1</sup> -206, 301	12
Mathematics 311	3
Mathematics 325	3
Mathematics 387	3
Mathematics 501 and 521	6
Mathematics 550 or 551	3
Mathematics 560 or 561	3
Mathematics electives chosen in consultation with departmental advisor	3
<b>Total</b>	<b>36</b>

### Supporting Courses

<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
One of the following sequences:		
Physics 295-296 and 298-299 <sup>1</sup>	7-10	
Chemistry 201-202 <sup>1</sup> , 207, 208, 209		
Biology 240, 242, 244 <sup>1</sup>		
Elective in second science discipline	3	
Electives in Natural Sciences, other than Mathematics	5-8	
<b>Total</b>		<b>18</b>

### Electives & Total Hours

<b>Type</b>	<b>Hours</b>
Minimum Electives	
[Elective hours are dependent on completion of 10 hours of General Education requirements through requirements in the major and supporting coursework.]	11
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

# Mathematics (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Science in Mathematics (BS)

Major: MATH

Degree: BS

Unit: College of Arts and Sciences (AS)

The Bachelor of Science offers a solid, in-depth knowledge of mathematics, combined with a concentration in an area of application. Students preparing to enter a traditional graduate program in mathematics should focus on the concentration in pure mathematics; those preparing for graduate school in a specialized area should use the appropriate concentration. The concentration in actuarial mathematics also includes many of the courses that prepare the student for the Actuarial Examinations.

NOTE: Admission to the major 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.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Semester Hours Total
General Education	34*

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

\* 10 hours of General Education requirements (Mathematics and Natural Sciences) are met with requirements in the major or supporting coursework.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours Total
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Social Sciences, at the 300 level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	

**Total**

**13-15**

## **Mathematics Department**

### **Mathematics Core Requirements**

	<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
Mathematics 205 <sup>1</sup> -206, 301		12	
Mathematics 311		3	
Mathematics 325		3	
Mathematics 405		3	
Mathematics 501 or 521		3	
Mathematics electives chosen in consultation with departmental advisor		6	
Concentration in one of areas below		27	
<b>Total</b>			<b>57</b>

Each concentration has its own set of electives; consult the department advisor for appropriate courses.

### **Mathematics Concentrations**

#### **Actuarial Science**

	<b>Type</b>	<b>Hours</b>
Mathematics 561		3
Mathematics 562		3
Mathematics 570		3
Mathematics 572		3
Application Area electives (No more than 6 hours may be in mathematics)		15

#### **Computational and Applied Mathematics**

	<b>Type</b>	<b>Hours</b>
Mathematics 387		3
Mathematics 407		3
Mathematics 535		3
Mathematics 536		3
Application Area electives (No more than 6 hours may be in mathematics)		15

#### **Probability and Statistics**

	<b>Type</b>	<b>Hours</b>
Mathematics 560		3
Mathematics 561		3
Mathematics 562		3

Mathematics 564 3  
 Application Area electives  
 (No more than 6 hours may be in mathematics) 15

**Pure Mathematics**

Type	Hours
Mathematics 387	3
Mathematics 502	3
Mathematics 522	3
Mathematics 561	3
Application Area electives (No more than 6 hours may be in mathematics)	15

**Supporting Courses**

Type	Semester Hours	Total
One of the following sequences: Physics 298-299 and 295-296 <sup>1</sup> Chemistry 201-202 <sup>1</sup> , 207, 208, 209 Biology 240, 242, 244 <sup>1</sup> Elective in second science discipline	7-10    3	
One computer related course chosen in consultation with departmental advisor	3	
Elective in Natural Sciences (other than Mathematics) or a second computer related course chosen in consultation with departmental advisor <sup>3</sup>	3	
<b>Total</b>		<b>16-19</b>

**Electives & Total Hours**

Type	Hours
Minimum Electives [Elective hours are dependent on completion of 10 hours of General Education requirements through requirements in the major and supporting coursework.]	6-11
<b>Minimum Total</b>	<b>121</b>

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.<sup>2</sup>  
 At least 50 of the total minimum hours required must be at the 300 level or above.<sup>3</sup>

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Mathematics courses at the 100 level do not count toward hours in the major.

<sup>3</sup> A minimum of 12 hours in courses numbered 311 or higher must be successfully completed in the Department on Mathematics at the University of Louisville.



# Mathematics (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Mathematics

Minor: MATH

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Mathematics 205-206	8	
Mathematics 311	3	
Mathematics electives in courses numbered 190 <sup>1</sup> or above	10	
<b>Minimum Total</b>		<b>21</b>

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.

<sup>1</sup> Mathematics 111 and 112 may be substituted for 190, but only 4 hours credit will be applied toward the electives in the minor.

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# Actuarial Mathematics (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Actuarial Mathematics

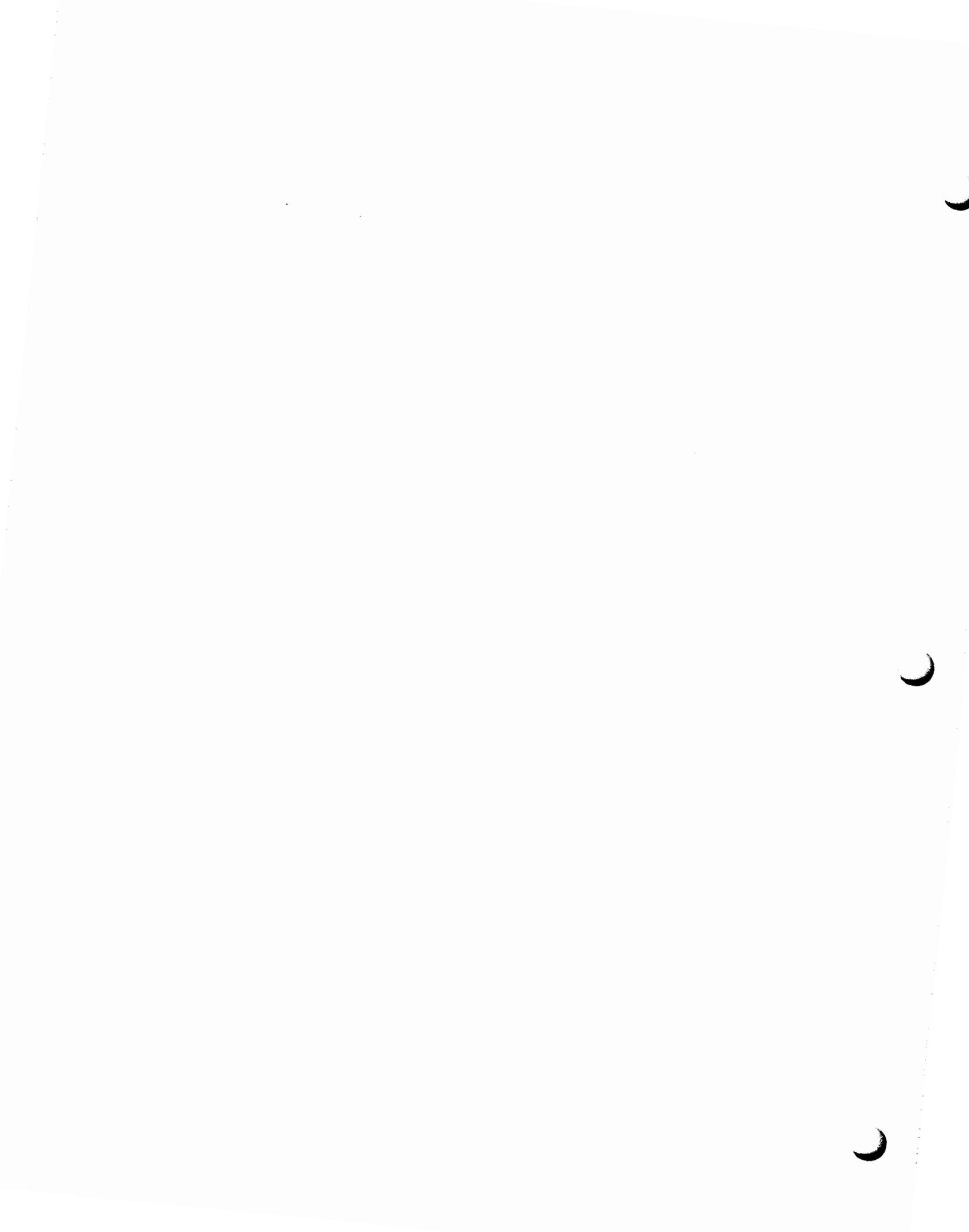
Minor: MATA

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Mathematics 205-206, 301	12	
Mathematics 561	3	
Mathematics 570	3	
Mathematics 562 or 572	3	
<b>Minimum Total</b>		<b>21</b>

Note: 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.

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# Mechanical Engineering (BMC)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Mechanical Engineering (BMC)

Major: ME

Degree: BMC

Unit: Speed School of Engineering (SS)

Department: Mechanical Engineering

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 designed as an integrated five-year program, with a cooperative education component, culminating in the Master of Engineering degree. The program is accredited by the Engineering Accreditation Commission of ABET, Inc.

## Engineering Fundamentals

Courses	Hours
Speed School Core	
ENGR 100 <sup>1</sup> , 101 <sup>1 2</sup> , 102 <sup>1</sup> , 150 <sup>1</sup>	12
ENGL 101 <sup>1 2 3</sup> , 102 <sup>1 2 3</sup>	6
CHEM 201 <sup>1 2</sup>	3
PHYS 298 <sup>1 2</sup>	4
ME Core	
CHEM 202 <sup>1</sup>	3
PHYS 295 <sup>1 2</sup>	1
ME 180 <sup>1</sup>	2
<b>Total</b>	<b>31</b>

## Departmental Studies

Courses	Engineering Fundamentals	Hours
ENGR 201, 205, 307	Department	8

ME 206, 251, 280, 288, 289, 310, 311, 314, 315, 323, 380, 389, 401, 415, 422, 440, 442, 489, 497, 548	50
ME 5XX Electives	6
Speed/University	
CEE 205	3
CHE 253	3
CHEM 207	1
ECE 252	3
IE 360, 370	6
PHYS 299	4
General Education	
Arts/CD/HUM/SBS Electives <sup>2</sup>	12
COMM 111 <sup>2</sup> or 112 <sup>2</sup> or 115 <sup>2</sup>	3
HIST 101 <sup>2</sup> or 102 <sup>2</sup> or 105 <sup>2</sup> or 106 <sup>2</sup>	3
<b>Total</b>	<b>102</b>
<b>Total</b>	<b>Hours</b>
<b>Bachelor of Science in Mechanical Engineering</b>	<b>133</b>

<sup>1</sup> Acceptance into the Department of Mechanical Engineering requires that a student have a 2.0 GPA in the prescribed set of courses totaling 31 semester hours taken during the first year in Engineering Fundamentals. The prescribed courses are footnoted in the listing above. In addition, the student must be in good standing with the university. The only possible substitution to the list of courses totaling 31 hours above is noted in footnote 3.

<sup>2</sup> General Education requirement for this program; see <http://www.louisville.edu/provost/GER/> for the listing of Arts/CD/Hum/SBS Electives which satisfy the University-wide General Education requirements, by academic year.

<sup>3</sup> Students completing ENGL 105 in lieu of ENGL 101 and ENGL 102 satisfy the General Education and Engineering Fundamentals requirements for Written Communication. However, an additional course is needed to satisfy program credit hour requirements; ENGL 303 (Technical Writing) is recommended.

# Mechanical Engineering (MEN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Master of Engineering in Mechanical Engineering (MEN)

Major: ME

Degree: MEN

Unit: Speed School of Engineering (SS)

Department: Mechanical Engineering

### Graduate Studies

Courses	Hours
ME 644	3
ME Program Electives <sup>1</sup>	21
Thesis Option: ME 697 <sup>2</sup> or	6
Non-Thesis Alternative: ME 645 <sup>3</sup> , ME 6XX <sup>1</sup>	
<b>Total</b>	<b>30</b>

<sup>1</sup> At least 9 of the 21 program elective credit hours must be at the 600 level or above. Courses to meet the program elective requirements are selected with the assistance of the student's advisor.

<sup>2</sup> Upon admission into Graduate Studies, M.Eng. candidates are assigned a faculty academic advisor. Thesis students are encouraged to select a thesis topic and advisor during the first term of Graduate Studies. The thesis advisor then serves as the student's academic advisor. Students must obtain the consent of their thesis advisor prior to enrolling in ME 697.

<sup>3</sup> The faculty of the Mechanical Engineering Department has approved a non-thesis M.Eng. curriculum alternative that permits students to satisfy EAC/ABET accreditation criteria by replacing the six M.Eng. thesis hours (ME 697) with one three-hour 600-level course selected from the list of approved Mechanical Engineering Program Electives, and a three-hour structured research project (ME 645).

Total	Hours
<b>Bachelor of Science in Mechanical Engineering</b>	<b>133</b>
<b>Graduate Studies</b>	<b>30</b>
<b>Master of Engineering in Mechanical Engineering</b>	<b>163</b>

**Master of Science**

In addition to the Master of Engineering program, the Mechanical Engineering Department offers a Master of Science degree in Mechanical Engineering. This program is appropriate for students not holding a mechanical engineering baccalaureate degree from the University of Louisville. Both thesis and non-thesis options are available. Consult the Graduate Catalog for degree requirements and contact information.

**Doctor of Philosophy in Mechanical Engineering**

The Mechanical Engineering Department offers a program of study leading to the Doctor of Philosophy degree in Mechanical Engineering. This program provides an opportunity for students to complete advanced course work and conduct independent research in one of a number of specialization areas. Those interested in the Ph.D. program should consult the Graduate Catalog for requirements and contact information.

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# Middle East and Islamic Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Middle East and Islamic Studies

Minor: MEIS

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Nine Hours in Humanities disciplines:		
Course in Arabic at 300+ Level	3	
Humanities 306 or 316	3	
Art History 367 (or an additional course in a Humanities discipline with the focus on Middle East or Islamic Studies to be chosen with the approval of the MEIS advisor)	3	
[Courses taught as a Special Topics may be approved by the MEIS director; the Humanities 306/316 not used for the required Humanities course may be used here.]		
Nine hours in Social Sciences disciplines:		
9 hours to be chosen from the following, with no more than 6 credit hours in any one department		
Anthropology 319		
Political Science 355 and 363		
History 341, 356, 357, 359, 362, 376, 377, 378, 390, 563, 593, 594		
<b>Minimum Total</b>		<b>18</b>

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# Middle Grades Education (5-9)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Teacher Certification in Middle Grades Education (5-9)

Unit: College of Education and Human Development

Teacher certification in Middle Grades Education (grades 5-9) is available at both the undergraduate and graduate levels.

Students interested in teacher certification at the graduate level through the Master of Arts in Teaching (MAT) degree must first complete a baccalaureate degree in an appropriate academic field before entering the teacher certification program at the graduate level. Students must apply and be accepted into the MAT program in order to complete teacher certification.

The following courses are pre-requisites for application to the Master of Arts in Teaching degree in Middle Grades Education. They may be taken as part of the baccalaureate degree program. In addition to these courses, other application credentials must be submitted. For a complete listing of admission requirements and application deadlines, contact the College of Education and Human Development Advising Center at (502) 852-5597.

Type	Semester Hours	Total
A Bachelor's degree including: Speech Communication (OR Speech Proficiency Exam)	3	
Middle Grade Teaching Field (To be selected from: English, Mathematics, Science and/or Social Studies)		24-29

For a listing of specific courses, which meet the requirements listed above, contact the College of Education and Human Development Advising Center.

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# Middle/Secondary with Concentration in Biology (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Biology – Leading to Certification in Grades 8-12

Major: MISE

Concentration: Biology

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
BIOL 240 Unity of Life (S)	3
BIOL 244 Principles of Biology Lab (SL)	2
CHEM 201 General Chemistry I (S)	3
MATH 180 Elements of Calculus (M)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Biology**

<b>Type</b>	<b>Hours</b>
BIOL 240 Unity of Life	3
BIOL 242 Diversity of Life	3
BIOL 244 Principles of Biology Laboratory	2
BIOL 300+ Elective	3
BIOL 301 Introduction of Ecology	3
BIOL 329 Cellular and Molecular Biology	3
BIOL 330 Genetics and Molecular Biology	3
BIOL 331 Genetics and Molecular Biology Lab	2
BIOL 409 Evolutionary Biology	3
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
CHEM 207 Intro to Chemical Analysis I	1
CHEM 208 Intro to Chemical Analysis II	1
<b>Minimum Total</b>	<b>33</b>

### Related and Supporting Courses (minimum 15 credit hours)

Choose from Biology, Geosciences, Mathematics, Physics, or Chemistry as approved by advisor.

Type	Hours
GEOS 200 The Global Environment	3
MATH 180 Elements of Calculus	3
OR MATH 205 Calculus I	4
PHYS 111 Elements of Physics	4
GEOS 365 Biogeography	3
Science Elective	3
<b>Minimum Total</b>	<b>123</b>

### Degree Assessment

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### Certification Assessment

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Business and Marketing (grades 5-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Business and Marketing – Leading to Certification in Grades 5-12

Major: MISE

Concentration: Business and Marketing Education

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
MATH 111 College Algebra (M)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Business**

<b>Type</b>	<b>Hours</b>
ACCT 201 Principles of Accounting I	3
ACCT 202 Principles of Accounting II	3
CIS 100 Introduction to Microcomputer	3
CIS 300 Computer and Information Systems*	3
FIN 301 Corporate Finance*	3
COMM 250 Computer Communication	3
ECON 201 Principles of Microeconomics	3
ECON 202 Principles of Macroeconomics	3
MGMT 201 Business Statistics	3
MGMT 301 Management and Organizational Behavior*	3
MKT 301 Principles of Marketing*	3
<b>Minimum Total</b>	<b>33</b>

### **Related and Supporting Courses (minimum 15 credit hours)**

<b>Type</b>	<b>Hours</b>
COMM 360 Website Development	3
CLAW 301 Legal Environment of Business*	3
MKT XXX Marketing elective*	3
MATH 107 Finite Mathematics	3
MATH 111 College	3
OR	
MATH 205 Calculus I	4

MATH 206 Calculus II

4

**Minimum Total**

**123**

\*Students must apply, and be accepted for admission, to the Minor in Business Administration to be eligible to enroll in these courses. For specific eligibility requirements, please contact the College of Business.

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Chemistry (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Chemistry – Leading to Certification in Grades 8-12

Major: MISE

Concentration: Chemistry

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COMM 115 Interpersonal Communication (OC)	3
PHYS 221 Fundamentals of Physics I (S)	3
CHEM 201 General Chemistry I (S)	3
CHEM 207 Intro to Chemical Analysis I (SL)	1
MATH 205 Calculus (M)	4
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Chemistry**

<b>Type</b>	<b>Hours</b>
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
CHEM 207 Intro to Chemical Analysis I	1
CHEM 208 Intro to Chemical Analysis II	1
CHEM 209 Intro to Chemical Analysis III	1
CHEM 210 Intro to Chemical Analysis IV	1
CHEM 341 Organic Chemistry I	3
CHEM 342 Organic Chemistry II	3
CHEM 343 Organic Chemistry I Lab	2
CHEM 344 Organic Chemistry II Lab	2
CHEM 441 Elements of Physical Chemistry	3
CHEM 470 Physical Chemistry Lab	2
CHEM 445 Survey of Biochemistry	3
OR CHEM 515 Inorganic Chemistry	

CHEM 527 Intro to Separations & Spectroscopy 3  
**Minimum Total 31**

**Related and Supporting Courses (minimum 15 credit hours)**

Choose from Biology, Geosciences, Mathematics, Physics, or Chemistry as approved by advisor.

<b>Type</b>	<b>Hours</b>
MATH 205 Calculus I	4
MATH 206 Calculus II	4
PHYS 221 Fundamentals of Physics I	3
PHYS 222 Fundamentals of Physics II	3
PHYS 223 Fundamentals of Physics I Lab 1	
<b>Minimum Total</b>	<b>123</b>

**Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Earth and Space Science (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Earth and Space Science – Leading to Certification in Grades 8-12

Major: MISE

Concentration: Earth and Space Science

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
BIOL 240 Unity of Life (S)	3
BIOL 244 Principles of Biology Lab (SL)	2
GEOS 200 The Global Environment (S)	3
MATH 111 College Algebra (M)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Earth Science**

<b>Type</b>	<b>Hours</b>
BIOL 240 Unity of Life	3
BIOL 242 Diversity of Life	3
BIOL 244 Principles of Biology Laboratory	2
GEOS 200 The Global Environment	3
GEOS 360 Global Environmental Change	3
GEOS 363 Climatology	3
GEOS 564 Hydrology	3
GEOS 367 Geomorphology	3
PHYS 107 Elementary Astronomy	3
PHYS 108 Elementary Astronomy Lab	1
PHYS 220 Contemporary Issues in Meteorology	3
<b>Minimum Total</b>	<b>30</b>

### **Related and Supporting Courses (minimum 15 credit hours)**

Choose from Biology, Geosciences, Mathematics, Physics, or Chemistry as approved by advisor.

<b>Type</b>	<b>Hours</b>
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
CHEM 207 Intro to Chemical Analysis I	1
CHEM 208 Intro to Chemical Analysis II	1
CHEM 209 Intro to Chemical Analysis III	1
PHYS XXX Physics elective	3
Science Elective	3
<b>Minimum Total</b>	<b>123</b>

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in English (grades 5-9)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in English — Leading to Certification in Grades 5-9

Major: MISE

Concentration: English

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
<b>Total</b>	<b>13</b>

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

	<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods		3
EDTP 328 Building Learning Communities		3
EDTP 330 Building Learning Communities Field Experience		1
EDTP 345 Special Populations in Schools		3
EDTP 346 Special Populations in Schools Field Experience		1
EDTP 355 Assessment and Research		3
EDTP 407 Special Methods in MISE School Teaching		3
EDTP 408 MISE Content Methods Field Experience		1
EDTP 420 Reading and Writing Across the Curriculum		3
EDTP 506 Public Schools in America		3
<b>Total</b>		<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 417 Middle Grades Student Teaching	12
EDTP 477 Capstone Seminar	3

## Concentration in Middle Grades English

<b>Type</b>	<b>Hours</b>
EDTP 540 Teaching Adolescent Readers	3
ENGL 310 Writing about Literature	3
ENGL 506 Teaching of Writing	3
ENGL 300+ American Literature (choose from ENGL 311, 312, 318, 319, 320, 321, 322, or 323)	3
ENGL 301 British Literature I	3
OR ENGL 313 British Literature Through Shakespeare	
ENGL 333 or 334 Shakespeare	3
ENGL 342 Black Women Novelist	3
OR ENGL 369 Minority Traditions American Literature	
ENGL 300+ English Language (choose from ENGL 518, 522, or 535)	3
ENGL or EDTP XXX Creative Writing	3
HUM 300+ Medieval and Renaissance Cultures (choose from HUM 301, 302, 303, 338, 339, 354, 355, 356, or 357)	3
<b>Minimum Total</b>	<b>30</b>

## Related and Supporting Courses (minimum 15 credit hours)

<b>Type</b>	<b>Hours</b>
HUM 325 Survey of Film and Culture	3
OR WGST 395 Women Media and Culture	

HUM 300+ Electives	6
TA 324 Acting for Non-Majors	3
WGST 326 Gender and Children's Literature	3
<b>Minimum Total</b>	<b>123</b>

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in English (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in English — Leading to Certification in Grades 8-12

Major: MISE

Concentration: English

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3
<b>Total</b>	<b>13</b>

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

## Concentration in Secondary English

Type	Hours
ENGL 310 Writing about Literature	3
ENGL 506 Teaching of Writing	3
ENGL 300+ American Literature (choose from ENGL 311, 312, 318, 319, 320, 321, 322, or 323)	3
ENGL 301 British Literature I OR ENGL 313 British Literature Through Shakespeare	3
ENGL 302 British Literature II OR (choose from ENGL 315, 316, 317)	3
ENGL 333 or 334 Shakespeare	3
ENGL 342 Black Women Novelist OR ENGL 369 Minority Traditions American Literature	3
ENGL 300+ English Language (choose from ENGL 518, 522, or 535)	3
ENGL 373 Women in Literature OR WGST 326 Gender and Children's Literature	3
ENGL 500+ Electives	3
<b>Minimum Total</b>	<b>30</b>

## Related and Supporting Courses (minimum 15 credit hours)

Type	Hours
HUM 300+ Ancient through Renaissance Culture	3

(choose from ENGL 301, 302, 303, 338, 339, 354, 355, 356, or 357

HUM 300+ Electives 9

TA 324 Acting for Non-Majors 3

**Minimum Total 123**

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary Education with Concentration in French (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in French — Leading to Certification in Grades P-12

Major: MISE

Concentration: French

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in French**

<b>Type</b>	<b>Hours</b>
FREN 320 French Skills Overview	3
FREN 321 French Conversation	3
FREN 322 Written Expression	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 300+ Electives	6
<b>Minimum Total</b>	<b>30</b>

### **Related and Supporting Courses (minimum 15 credit hours)**

Courses must be approved by advisor.

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>123</b>

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

# Middle/Secondary with Concentration in Health Education (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Middle and Secondary Education with Concentration in Health Education – Leading to Certification in Grades P-12**

Major: MISE

Concentration: Health Education

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## **Pre-Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Health Education

Type	Hours
HSS 180 First Aid and Safety Education	3
HSS 200 Exploring Health Ed and Prevention Science	3
HSS 202 Human Anatomy and Physiology	3
HSS 302 Nutrition in Healthy Living	3
HSS 310 Health Lifestyles II	3
HSS 384 Program Planning in Health Education	3
HSS 385 Methods in Health Education	3
HSS 455 Current Trends and Studies in HSS	3
HSS 463 Sexuality Education	3
HSS 492 Cooperative Internship	1
HSS 562 Alcohol and Drug Education	3
<b>Total</b>	<b>31</b>

### Related and Supporting Courses (minimum 15 credit hours)

Type	Hours
HSS 184 Healthy Lifestyles I	3
HSS Electives (approved by advisor)	12
<b>Minimum Total</b>	<b>123</b>



## **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

## **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Mathematics (grades 5-9)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## **Bachelor of Science in Middle and Secondary Education with Concentration in Mathematics – Leading to Certification in Grades 5-9**

Major: MISE

Concentration: Mathematics

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

Teacher Education Admission Requirements: A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PHYS 111 Elements of Physics (S, SL)	4
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## **Pre-Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 417 Middle Grades Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Middle Grades Mathematics

Type	Hours
MATH 190 Precalculus (or MATH 111 and MATH 112)	4
MATH 151 Mathematics for Elementary Education I	3
MATH 152 Mathematics for Elementary Education II	3
MATH 180 Elements of Calculus (or MATH 205 Calculus I)	3
MATH 349 Statistics and Probability for Teachers (or MATH 107 and MATH 109)	3
MATH 350 Geometric Investigations	3
MATH 451 Problem Solving in Number Systems	3
PHYS 221 Fundamentals of Physics I	3
PHYS 222 Fundamentals of Physics II	3
PHYS 223 Fundamentals of Physics I Lab	1
PHYS 224 Fundamentals of Physics II Lab	1
<b>Total</b>	<b>30</b>

### Related and Supporting Courses (12 - 15 credit hours)

Courses must be approved by advisor.

**Minimum Total**

**123**



## **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

## **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Mathematics (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## **Bachelor of Science in Middle and Secondary Education with Concentration in Mathematics — Leading to Certification in Grades 8-12**

Major: MISE

Concentration: Mathematics

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PHYS 298 Intro Mech Heat & Sound (S)	4
PHYS 295 Intro Lab I (SL)	1
MATH 205 Calculus I (M)	4
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## **Pre-Professional Courses**

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Secondary Mathematics

Type	Hours
MATH 205 Calculus I	4
MATH 206 Calculus II	4
MATH 301 Calculus III	4
MATH 311 Introduction to Higher Mathematics	3
MATH 325 Introduction to Linear Algebra	3
MATH 387 Discrete Mathematics	3
MATH 521 Modern Algebra I	3
MATH 550 Advanced Euclidean Geometry	3
OR MATH 551 Geometry I	
MATH 561 Probability	3
<b>Total</b>	<b>30</b>

### Related and Supporting Courses (Minimum 15 credit hours)

Courses listed below plus a minimum of nine additional hours from Biology (BIOL 240/242/244), Mathematics, or Physics (298/295 and 299/296) as approved by advisor.

<b>Type</b>	<b>Hours</b>
MATH 562 Mathematical Statistics	3
MATH 590 History of Mathematics	3
Related and Supporting Course Electives (as above)	9

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>123</b>

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Physical Education (grades P-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Physical Education – Leading to Certification in Grades P-12

Major: MISE

Concentration: Physical Education

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PHYS 293 Social and Psyc Aspects of Health and PE (SBCD2)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Physical Education

Type	Hours
HSS 202 Human Anatomy and Physiology	3
HSS 270 History and Foundations of Health and PE	3
HSS 293 Social and Psyc Aspects of Health and PE (SBCD2)	3
HSS 320 Growth & Motor Development	3
HSS 326 Rhythm, Dance and Gymnastics	3
HSS 387 Biomechanics	3
HSS 394 Introduction to Exercise Science	3
HSS 411 Theory and Analysis of Team Sport Skills	3
HSS 412 Theory and Analysis of Individual Sport Skills	3
HSS 418 Diverse Populations in Physical Activity	3
HSS 492 Cooperative Internship	2
<b>Total</b>	<b>32</b>

### Related and Supporting Courses (Minimum 18 credit hours)

Courses listed below plus a minimum of 12 additional hours as approved by advisor.

Type	Hours
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HSS 180 First Aid and Safety Education	3
HSS 184 Healthy Lifestyles I	3
HSS 302 Nutrition in Healthy Living	3
HSS 410 Theories of Sport Pedagogy	3
HSS 101-167 Activity course (individual sport)	1
HSS 101-167 Activity course (individual sport)	1
HSS 101-167 Activity course (Team sport)	1
HSS 101-167 Activity course (Team sport)	1
HSS 101-167 Activity course (exercise and fitness)	1
HSS 101-167 Activity course (any)	1

**Minimum Total** **123**

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Physics (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Middle and Secondary Education with Concentration in Physics — Leading to Certification in Grades 8-12**

Major: MISE

Concentration: Physics

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PHYS 298 Intro Mech Heat & Sound (S)	4
PHYS 295 Intro Lab I (SL)	1
MATH 205 Calculus I (M)	4
PAS 227 Survey of American Diversity (SBCD1) (SBCD2) OR SOC 210 Race in the U.S. (SBCD1)	3

## **Pre-Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### **Core Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Physics**

<b>Type</b>	<b>Hours</b>
PHYS 298 Introductory Mechanics, Heat and Sound	4
PHYS 295 Introductory Lab I	1
PHYS 299 Introductory Electricity, Magnetism and Light	4
PHYS 296 Introductory Lab II	1
PHYS 300 Introductory Modern Physics	3
PHYS 301 Introductory Modern Physics Lab	1
PHYS 460 Mechanics	3
PHYS 530 Thermodynamics	3
PHYS 300+ Electives	6
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
<b>Total</b>	<b>32</b>

### **Related and Supporting Courses (Minimum 15 credit hours)**

Courses listed below plus a minimum of three additional hours from Biology, Chemistry, Geosciences,

Mathematics, or Physics as approved by advisor.

Type	Hours
MATH 205 Calculus I	4
MATH 206 Calculus II	4
MATH 301 Calculus III	4

Type	Hours
<b>Minimum Total</b>	<b>123</b>

### Degree Assessment

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### Certification Assessment

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Physics (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Middle and Secondary Education with Concentration in Physics – Leading to Certification in Grades 8-12**

Major: MISE

Concentration: Physics

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
PHYS 298 Intro Mech Heat & Sound (S)	4
PHYS 295 Intro Lab I (SL)	1
MATH 205 Calculus I (M)	4
PHYS 227 Survey of American Diversity (SBCD1) (SBCD2) OR SOC 210 Race in the U.S. (SBCD1)	3

## **Pre-Professional Courses**

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Physics

Type	Hours
PHYS 298 Introductory Mechanics, Heat and Sound	4
PHYS 295 Introductory Lab I	1
PHYS 299 Introductory Electricity, Magnetism and Light	4
PHYS 296 Introductory Lab II	1
PHYS 300 Introductory Modern Physics	3
PHYS 301 Introductory Modern Physics Lab	1
PHYS 460 Mechanics	3
PHYS 530 Thermodynamics	3
PHYS 300+ Electives	6
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
<b>Total</b>	<b>32</b>

### Related and Supporting Courses (Minimum 15 credit hours)

Courses listed below plus a minimum of three additional hours from Biology, Chemistry, Geosciences,

Mathematics, or Physics as approved by advisor.

Type	Hours
MATH 205 Calculus I	4
MATH 206 Calculus II	4
MATH 301 Calculus III	4

Type	Hours
<b>Minimum Total</b>	<b>123</b>

### Degree Assessment

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

### Certification Assessment

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Science (grades 5-9)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Science — Leading to Certification in Grades 5-9

Major: MISE

Concentration: Science

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34
The following are recommended courses to fulfill General Education Requirements:	
COM 115 Interpersonal Communication (OC)	3
BIOL 240 Unity of Life	3
BIOL 244 Principles of Biology Lab (SL)	2
CHEM 201 General Chemistry I	3
MATH 180 Elements of Calculus (M)	3
PAS 227 Survey of American Diversity (SBCD1) (SBCD2) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

Type	Hours
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EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 417 Middle Grades Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Middle Grades Science

Type	Hours
BIOL 240 Unity of Life	3
BIOL 242 Diversity of Life	3
BIOL 244 Principles of Biology Laboratory	2
BIOL 301 Introduction to Ecology	3
BIOL 329 Cellular and Molecular Biology	3
CHEM 201 General Chemistry I	3
CHEM 202 General Chemistry II	3
CHEM 207 Introduction to Chemical Analysis I	1
CHEM 208 Introduction to Chemical Analysis II	1
GEOS 200 The Global Environment	3
PHYS 107 Elementary Astronomy	3
PHYS 108 Elementary Astronomy Lab	1
PHYS 220 Contemporary Issues in Meteorology	3
<b>Total</b>	<b>32</b>

**Related and Supporting Courses (Minimum 15 credit hours)**

Courses listed below plus a minimum of three additional hours from Biology, Chemistry, Geosciences, Mathematics, or Physics as approved by advisor.

<b>Type</b>	<b>Hours</b>
PHYS 221 Fundamentals of Physics	3
PHYS 222 Fundamentals of Physics II	3
PHYS 223 Fundamentals of Physics Lab I	1
PHYS 224 Fundamentals of Physics Lab II	1
MATH 180 Elements of Calculus	3
<b>Total</b>	<b>11</b>

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>123</b>

**Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Social Studies (grades 5-9)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Social Studies – Leading to Certification in Grades 5-9

Major: MISE

Concentration: Social Studies

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34

The following are recommended courses to fulfill General Education Requirements:

COM 115 Interpersonal Communication (OC)	3
GEOS 200 The Global Environment (S)	3
POLS 201 Fundamentals of American Government (SB)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

### Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 417 Middle Grades Student Teaching	12
EDTP 477 Capstone Seminar	3

### Concentration in Middle Grades Social Studies

Type	Hours
ECON 201 Microeconomics	3
ECON 202 Macroeconomics	3
GEOS 200 The Global Environment	3
GEOG 200 Power of Place	3
HIST 101 History of Civilizations I	3
HIST 102 History of Civilizations II	3
HIST 211 American History I	3
HIST 212 American History II	3
HIST 300+ Medieval World History	3
(choose from HIST 345, 346, 351, 352)	
HIST 300+ Early U.S. History	3
(choose from HIST 518, 521, or 522)	
POLS 201 Fundamentals of American Government	3
<b>Total</b>	<b>33</b>

Related and Supporting Courses (Minimum 15 credit hours)

At least nine credit hours must be earned at the 300 level or above. Courses must be approved by advisor.

**Type**  
**Minimum Total**

**Hours**  
**123**

**Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Social Studies (grades 8-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## **Bachelor of Science in Middle and Secondary Education with Concentration in Social Studies — Leading to Certification in Grades 8-12**

Major: MISE

Concentration: Social Studies

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, "C" or better in English 102, "C" or better in Oral Communication course. Other requirements as outlined in Application Packet.

## **General Education**

<b>Type</b>	<b>Hours</b>
General Education	34
The following are recommended courses to fulfill General Education Requirements:	
COM 115 Interpersonal Communication (OC)	3
GEOS 200 The Global Environment (S)	3
POLS 201 Fundamentals of American Government (SB)	3

## **Pre-Professional Courses**

<b>Type</b>	<b>Hours</b>
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

Type	Hours
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

Type	Hours
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

## Concentration in Secondary Social Studies

Type	Hours
ECON 201 Microeconomics	3
ECON 202 Macroeconomics	3
GEOS 200 The Global Environment	3
GEOG 200 Power of Place	3
HIST 101 History of Civilizations I	3
HIST 102 History of Civilizations II	3
HIST 211 American History I	3
HIST 212 American History II	3
HIST 300+ Modern World History (choose from HIST 308, 309, 332, 357)	3
HIST 300+ Post Reconstruction (choose from HIST 519, 524, or 529)	3
POLS 201 Fundamentals of American Government	3
<b>Total</b>	<b>33</b>

## Related and Supporting Courses (Minimum 15 credit hours)

At least nine credit hours must be earned at the 300 level or above. Courses must be approved by advisor.

## **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

## **Certification Assessment**

Passing scores on required PRAXIS exams.

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# Middle/Secondary with Concentration in Spanish (grades P-12)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Middle and Secondary Education with Concentration in Spanish – Leading to Certification in Grades P-12

Major: MISE

Concentration: Spanish

Degree: BS

Department: EDTL

Unit: College of Education and Human Development (ED)

**Teacher Education Admission Requirements:** A minimum of 45 semester hours; 2.75 or higher overall recommended GPA; 3.0 or higher GPA in EDTP 107 and 201; 21 or higher ACT Composite Score recommended, “C” or better in English 102, “C” or better in Oral Communication course. Other requirements as outlined in Application Packet.

## General Education

Type	Hours
General Education	34
The following are recommended courses to fulfill General Education Requirements:	
COM 115 Interpersonal Communication (OC)	3
PAS 227 Survey of American Diversity (SBCD1) OR SOC 210 Race in the U.S. (SBCD1)	3

## Pre-Professional Courses

Type	Hours
EDTP 101, Academic Orientation	1
EDTP 201, The Teaching Profession (SB)	3
EDTP 107 Human Growth and Development	3

Note: You must be admitted to teacher education before enrolling in core professional courses.

## Core Professional Courses

<b>Type</b>	<b>Hours</b>
EDTP 301 General Methods	3
EDTP 328 Building Learning Communities	3
EDTP 330 Building Learning Communities Field Experience	1
EDTP 345 Special Populations in Schools	3
EDTP 346 Special Populations in Schools Field Experience	1
EDTP 355 Assessment and Research	3
EDTP 407 Special Methods in MISE School Teaching	3
EDTP 408 MISE Content Methods Field Experience	1
EDTP 420 Reading and Writing Across the Curriculum	3
EDTP 506 Public Schools in America	3
<b>Total</b>	<b>24</b>

**Mid-Point Assessment:** Prior to Middle/Secondary Student Teaching Satisfactory dispositions assessment; Satisfactory mid-point portfolio review; Positive recommendation from Middle/Secondary Program Committee; Completion of required Core courses with a "C" or better.

<b>Type</b>	<b>Hours</b>
EDTP 419 Secondary Student Teaching	12
EDTP 477 Capstone Seminar	3

### **Concentration in Spanish**

<b>Type</b>	<b>Hours</b>
SPAN 201 Continuing Spanish I	3
SPAN 202 Continuing Spanish II	3
SPAN 321 Spanish Conversation	3
SPAN 322 Spanish Composition	3
SPAN 355 Reading Hispanic Texts	3
SPAN 401 Foundations of Spanish Civilization	3
OR 402 Cultural and Literacy Perspectives on Modern Spain	
OR 403 Foundations of Latin American Nations and Identities	
OR 404 Cultural & Literary Perspectives on Modern Latin America	
SPAN 522 Spanish Phonetics and Diction	3
SPAN 523 Advanced Communication Skills	3
SPAN 524 Introduction to Hispanic Linguistics	3
SPAN 300+ Elective	3
<b>Total</b>	<b>30</b>

### **Related and Supporting Courses (minimum 15 credit hours)**

Courses must be approved by advisor.

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>123</b>

### **Degree Assessment**

Satisfactory dispositions assessment; "B-" or better in Student Teaching; 2.75 overall GPA; satisfactory portfolio; 2.50 GPA in Concentration courses.

**Certification Assessment**

Passing scores on required PRAXIS exams.

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# Military Science (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Military Science

Minor: MILS

Unit: College of Arts and Sciences (AS)

### Track I: (for students with no prior military service)

Type	Hours
Military Science 101: Leadership and Adventure I	1
Military Science 102: Leadership and Adventure II	1
Military Science 201: Leadership Skills Development I	2
Military Science 202: Leadership Skills Development II	2
Military Science 301: Leadership and Management I	3
Military Science 302: The Military Team I	3
Military Science 401: Leadership and Management II	3
Military Science 402: Theory and Dynamics of the Military Team II	3
History 418: U.S. Military History or History 419: Western Military History	3
Physical Training: Military Science 311, 312, 411, or 412 (any two)	2
<b>Minimum Total</b>	<b>23</b>

### Track II: (for students with two or more years prior military service or completion of basic training: students in this track are exempt from Military Science 101, 102, 201, and 202.)

Type	Hours
Military Science 301: Leadership and Management I	3
Military Science 302: The Military Team I	3
Military Science 401: Leadership and Management II	3
Military Science 402: Theory and Dynamics of the Military Team II	3
History 418: U.S. Military History or History 419: Western Military History	3
Physical Training: Military Science 311, 312, 411, or 412 (any two)	2
Three hours to be chosen from the following:	3
History 314: History of American Foreign Relations	
History 359: Arab-Israeli Conflict	
History 362: The U.S. and the Middle East	
History 376: War in the Modern Middle East	

History 386: Modern Germany, 1848-1945  
History 399: The Vietnam War  
History 522: The American Revolution and the Confederation  
History 524: U.S. Civil War and Reconstruction  
History 559: U.S. and Cold War Policy  
History 563: Middle Eastern Wars II  
Political Science 330: International Relations  
Political Science 333: American Foreign Policy  
Political Science 338: National and International Security  
**Minimum Total**

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**20**

# Music History (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor: MUHA

Degree:

Unit: Music

Type	Hours
Music History 301 or Music 141 <sup>1</sup>	3-4
Select 18 hours from the following:	
Music History 212, 303-311, 313;	18
Humanities 365;	
Sociology 344	
<b>Minimum Total</b>	<b>21-22</b>

In addition, participation in the Early Music Ensemble, the University Chorus, Band, or Orchestra for two semesters without credit is strongly advised though not required.

<sup>1</sup> A student may be exempted from Music 141 through a School of Music departmental examination and, if so, elect to take Music 142 or 18 hours from 300/400 level courses listed in the minor.

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# Music with Emphasis in Composition (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: COMP

Degree: BM

Unit: Music

## Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (eight 1-hour courses) (Strings take section 01, others solely dependent on the ensemble audition.)		8
Recital Attendance 097 (six semesters of "S")		0
Conducting I 359		2
Analysis 347		2
Applied Lessons (four 2-hour courses)		8
Introduction to Music Study 100		1
Piano Proficiency 297		0
<b>Total</b>		<b>83</b>

## Plan Courses

### Major Area

	Type	Hours
Composition 243-444 (six 2-hour courses) <sup>3</sup>		12
Composition Seminar (six 1/2-hour courses)		3
Ensemble Scoring I & II 345-346		4
Analysis 348		2
Chromatic Harmony & Analysis/Analysis of Twentieth-Century Music 547-548		4
Counterpoint 549-550		4
Digital Techniques I & II 567-568		4
Senior Recital <sup>4</sup>		0
<b>Total</b>		<b>33</b>

### Supportive Area

Type	Hours
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Conducting II 360	2
Applied Lessons (three additional 2-hour courses)	6
Methods Classes (three 1-hour courses)	3
Piano Class <sup>5,6</sup> (four 1-hour courses)	4
French or German 121 <sup>7</sup>	4
<b>Total</b>	<b>19</b>

**Type            Hours**  
**Minimum Total 135**

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class (for non-keyboard principals) or Piano Proficiency Examination (for keyboard principals).
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard principals must pass the Piano Proficiency Examination before taking the examination for MUS 212.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. MUS 244. The examination for MUS 244 will require submission of a portfolio of compositions to the faculty of the theory/composition department.
9. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Undergraduate composition majors enrolled in MUS 243–444 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.

<sup>4</sup> Students must present a recital of original works.

<sup>5</sup> If applied principal is piano, Piano Class is replaced with 4 hours of electives. For students with a piano background, two semesters of MUS 121-122 (Secondary Piano) may be substituted.

<sup>6</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

<sup>7</sup> Composition majors are strongly advised to take a second semester of language study.

# Music with Emphasis in Music General (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Major: MUSI

Degree: BA

Unit: School of Music

## Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (minimum of eight 1-hour courses ) (Strings take section 01, others solely dependent on the ensemble audition.)		8
Recital Attendance 097 (six semesters of "S")		0
Applied Instrument or Voice <sup>3,4</sup> (four 1-hour courses)		4
Piano Class <sup>4,5</sup> (two 1-hour courses)		2
Analysis 347		2
Introduction to Music Study 100		1
Piano Proficiency 197		0
<b>Total</b>		<b>79</b>

## Plan Courses

	Type	Hours
Music Electives		13
General Electives (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.)		34
<b>Minimum Total</b>		<b>126</b>

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> The Piano Proficiency Examination is required for applied piano and organ majors. The exam must be passed before receiving credit for the 4th semester of applied piano or organ study.

<sup>4</sup> 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.

<sup>5</sup> 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.

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# Music with Emphasis in Music History (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUHM

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Strings take section 01, others solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons <sup>3</sup> (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Major Area

### Plan Courses

Type	Hours
Music History 370 (four 3-hour courses)	12
Music History Tutorial 375 (Four 1/2-hour courses) or Independent Study 590 (1-2 hours) or a mixture of the two	2
Senior Research Paper/Project 499	4
<b>Total</b>	<b>18</b>

## Supportive Area

Type	Hours
Analysis 348	2
Advanced Theory One 4-hour sequence chosen from: Composition 143-144 Ensemble Scoring 345-346	4

Chromatic Harmony and Analysis/Analysis of Twentieth-Century Music 547-548	
Counterpoint 549-550	4
Applied Lessons <sup>3</sup> (four additional 2-hour courses)	8
Piano Class <sup>4,5</sup> (four 1-hour classes)	4
German or French 121, 122	8
General Electives	3
<b>Total</b>	<b>33</b>

## **Total**

**Type                    Hours**  
**Minimum Total 134**

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following Requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard principals must pass the Piano Proficiency Examination before taking the examination for MUS 212.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> If the applied principal is voice, 2 hours of Diction (MUS 123-124) are required in addition to the 16 hours of voice.

<sup>4</sup> If the applied principal is piano, Piano Class is replaced with 4 hours of music electives. For students with a piano background, four semesters of Secondary Piano (MUS 121-222) may be substituted for Piano Class.

<sup>5</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

# Music with Emphasis in Instrumental Performance (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Strings take section 01, others solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (two 4-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Literature 563	1
Studies in Pedagogy 538	1
Applied Lessons <sup>4</sup> (six additional 4-hour courses)	24
Senior Recital <sup>3</sup>	0
Minor Ensembles (eight 1/2-hour courses)	4
<b>Total</b>	<b>30</b>

### Supportive Area

Type	Hours
Analysis 348	2
Advanced Theory	4

One 4-hour course sequence chosen from:

Composition 143-144  
 Ensemble Scoring I & II 345-346  
 Chromatic Harmony and Analysis/Analysis of Twentieth-Century Music 547-548  
 Counterpoint 549-550

Piano Class <sup>5,6</sup> (four 1-hour classes)	4
Conducting II 360	2
Music Electives	5
General Electives	4
<b>Total</b>	<b>21</b>

## **Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>134</b>

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 204. The examination for MUS 204 will be graded by an expanded jury. The student must prepare at least 11 minutes of music.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Senior recital for all performance degrees is a public recital.

<sup>4</sup> **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.

<sup>5</sup> For students with a piano background, four semesters of Secondary Piano (MUS 121-222) may be substituted.

<sup>6</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of

the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

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# Music with Emphasis in Jazz Performance (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Jazz majors take Jazz or Jazz Repertory Ensemble.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Jazz Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 197	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Studies in Pedagogy: Jazz Pedagogy 538	1
Jazz Applied Lessons (four additional 2-hour courses)	8
Secondary Applied Lessons (Traditional) <sup>3</sup>	4
Senior Recital 497 <sup>4</sup>	0
Minor Ensembles (eight 1/2-hour courses)	4
Jazz Improvisation I 138	2
Jazz Improvisation II 340	2
Jazz Improvisation III 440	2
Studies in Jazz: Jazz Styles and Analysis 351-01	2
Jazz Repertoire 352	1
<b>Total</b>	<b>26</b>

### Supportive Area

	<b>Type</b>	<b>Hours</b>
Studies in Jazz: Jazz Theory 351-02		2
Jazz Arranging I & II 435-436		4
Advanced Theory		4
One 4-hour course sequence chosen from:		
Composition I & II 143-144		
Ensemble Scoring I & II 345-346		
Counterpoint I & II 549-550		
The Evolution of Jazz 355		3
Piano Class 131-132 (two 1-hour courses)		2
Jazz Piano Class 130		
(Students may substitute 1 hour of elective providing they pass the Jazz Piano Proficiency) <sup>1</sup>		1
Jazz Piano Proficiency 198		0
Music Electives		
Suggested courses:		
Jazz Methods 338		
Jazz Arranging III 437		
Music Industry I & II 535-536		4
Computers & Music I & II 553-554		
Special Topics: Summer Jazz Workshop		
General Electives		4
<b>Total</b>		<b>24</b>

**Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>133</b>

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Woodwind majors are strongly encouraged to study a second instrument.

<sup>4</sup> Senior recital for all performance degrees is a public recital.

**\* Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits towards the degree
2. MUS 132 Class Piano (nonkeyboard majors) or Piano Proficiency Examination (for keyboard majors)
3. MUS 206 (Keyboard majors must pass the Piano Proficiency Examination before taking the examination for MUS 206)

4. MUS 242 Theory IV
  5. MUS 361-01 and 361-02 Music Literature
  6. MUS 097 Recital Attendance, four semesters with grade of "S"
  7. ENGL 101 or ENGL 105 and at least three additional general education courses
  8. GPA of 2.5
-



# Music with Emphasis in Jazz Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Music with Emphasis in Jazz studies

Major: MUSI

Degree: BA

Unit: School of Music

### Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (minimum of eight 1-hour courses ) (Jazz Studies majors take 4 semesters of Jazz or Jazz Repertory Ensemble and 4 semesters of the other principal ensemble designated for their primary instrument.)		8
Recital Attendance 097 (six semesters of "S")		0
Applied Instrument <sup>3,4</sup> (four 2-hour courses)		8
Piano Class <sup>4,5</sup> (two 1-hour courses)		2
Analysis 347		2
Introduction to Music Study 100		1
Piano Proficiency 197		0
<b>Total</b>		<b>83</b>

### Plan Courses

#### Jazz Area

	Type	Hours
The Evolution of Jazz 355		3
Jazz Improvisation I 138		2
Jazz Improvisation II 340		2
Studies in Jazz: Jazz Style & Analysis 351-01		2
Studies in Jazz: Jazz Theory 351-02		2
Jazz Piano Class 130 (Students may substitute 1 hour of elective providing they pass the Jazz Piano Proficiency)		1
Jazz Piano Proficiency 198		0
Music Electives		4
<b>Total</b>		<b>16</b>

General Electives

(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.) 31

**Minimum Total**

**130**

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> The Piano Proficiency Examination is required for applied piano majors. The exam must be passed before receiving credit for the 4th semester of applied piano study.

<sup>4</sup> 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.

<sup>5</sup> 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.

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# Music with Emphasis in Music Education (Instrumental) (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUED

Degree: BM

Unit: Music

## Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (seven 1-hour courses) (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.)		7
Recital Attendance 097 (six semesters of "S")		0
Conducting I 359		2
Analysis 347		2
Applied Lessons (four 2-hour courses)		8
Introduction to Music Study 100		1
Piano Proficiency 297		0
<b>Total</b>		<b>82</b>

## Plan Courses

### Major Area

	Type	Hours
Brass Methods 135 <sup>6</sup> , 136 <sup>4,6</sup>		2
Woodwind Methods 235 <sup>6</sup> , 236 <sup>4,6</sup>		2
String Methods 335 <sup>6</sup> , 336 <sup>4,6</sup>		2
Elementary School Music Methods 228 <sup>5,6</sup>		2
Middle and Junior High School Music Methods 328		2
Voice Class 227 <sup>6</sup>		1
or Marching Band Techniques 337 <sup>6</sup>		2
Music Education Rehearsal Practicum 301-402 (four 1/2-hour courses)		2

Introduction to Music Education 116	1
Introduction to Jazz Improvisation 118	1
Jazz Methods 338	2
Learning Theory and Human Growth and Development ECPY 507 <sup>6</sup>	3
Exploring Teaching in the Sociopolitical Contexts of P-12 Schools EDTP 502 <sup>6</sup>	3
Human Interaction/Professional Growth MUED 533 <sup>7</sup>	2
Sp Method-Instrumental MUED 556 <sup>7,8</sup>	3
Student Teaching-Elementary MUED 520 <sup>7</sup>	4
Student Teaching-Secondary School MUED 534 <sup>7</sup>	4
<b>Total</b>	<b>36-37</b>

### Supporting Area

Type	Hours
Applied Lessons (three additional 2-hour courses)	6
Piano Class 131-232 <sup>3,6</sup> (four 1-hour courses)	4
Ensemble Scoring I & II 345-346	4
Conducting II 360-024	2
Minor Ensemble 119 (four 1/2-hour courses)	2
Healthy Lifestyles I HSS 184	3
Elective	1
<b>Total</b>	<b>22</b>

### Total

Type	Hours
<b>Minimum Total</b>	<b>140-141</b>

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

<sup>4</sup> Brass students shall substitute MUS 137 for MUS 136. Woodwind students shall substitute MUS 137 for MUS 236. String students will complete only one semester each of brass and woodwind methods along with one semester of percussion methods and two semesters of string methods. They will also be required to take MUS 339 String Pedagogy and Educational String Literature.

<sup>5</sup> This course is necessary for admittance to teacher education. Upon enrollment in MUS 228, the student shall secure an application for admission to teacher education from the College of Education and Human Development Advising Center.

<sup>6</sup> These courses are prerequisites for student teaching.

<sup>7</sup> Admission to Teacher Education is required before enrolling in these courses.

<sup>8</sup> MUED 556 must be taken prior to MUED 520 or MUED 534.

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# Music with Emphasis in Music Education (Pre-Certification - Instrumental) (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUED

Degree: BM

Unit: Music

## Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (eight 1-hour courses) (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.)		8
Recital Attendance 097 (six semesters of "S")		0
Conducting I 359		2
Analysis 347		2
Applied Lessons (four 2-hour courses)		8
Introduction to Music Study 100		1
Piano Proficiency 297		0
<b>Total</b>		<b>83</b>

## Plan Courses

### Major Area

	Type	Hours
Brass Methods 135, 136 <sup>3</sup>		2
Woodwind Methods 235, 236 <sup>3</sup>		2
String Methods 335, 336 <sup>3</sup>		2
Elementary School Music Methods 228		2
Middle and Junior High School Music Methods 328		2
Voice Class 227		1

Marching Band Techniques 337	2
Music Education Rehearsal Practicum 301-402 (four 1/2-hour courses)	2
Introduction to Music Education 116	1
Introduction to Jazz Improvisation 118	1
Jazz Methods 338	2
Learning Theory and Human Growth and Development ECPY 507	3
Exploring Teaching in the Sociopolitical Contexts of P-12 Schools EDTP 502	3
<b>Total</b>	<b>25</b>

### Supportive Area

Type	Hours
Applied Lessons (three additional 2-hour courses)	6
Piano Class 131-232 <sup>4</sup> (four 1-hour courses)	4
Ensemble Scoring I & II 345-346	4
Conducting II 360-02	2
Minor Ensemble 119 (four 1/2-hour courses)	2
Music Electives	3
Elective	1
Healthy Lifestyles I HSS 184	3
<b>Total</b>	<b>25</b>

### Total

Type	Hours
<b>Minimum Total</b>	<b>133</b>

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Brass students shall substitute MUS 137 for MUS 136. Woodwind students shall substitute MUS 137

for MUS 236. String students will complete only one semester each of brass and woodwind methods along with one semester of percussion methods and two semesters of string methods. They will also be required to take MUS 339 String Pedagogy and Educational String Literature.

<sup>4</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

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# Music with Emphasis in Music Education (Pre-Certification - Keyboard) (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUED

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Brass Methods 135	1
Woodwind Methods 235	1
String Methods 335	1
Elementary School Music Methods 228	2
Middle and Junior High School Music Methods 328	2
Choral Techniques 428	2
Ensemble Scoring I & II 345-346	4
Music Education Rehearsal Practicum 301-402 (four 1/2-hour courses)	2
Introduction to Music Education 116	1
Introduction to Jazz Improvisation 118	1
Jazz Methods 338	2

Learning Theory and Human Growth and Development ECPY 507	3
Exploring Teaching in the Sociopolitical Contexts of P-12 Schools EDTP 502	3
<b>Total</b>	<b>25</b>

**Supportive Area**

Type	Hours
Applied Lessons (three additional 2-hour courses)	6
Applied Voice 133-334 (six 1-hour courses)	6
Diction 123-124	2
Voice Pedagogy 571	2
Conducting II 360-01	2
Music Electives	3
Elective	1
Healthy Lifestyles I HSS 184	3
<b>Total</b>	<b>25</b>

**Total**

Type	Hours
<b>Minimum Total</b>	<b>133</b>

**Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. Piano Proficiency Examination.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard principals must pass the Piano Proficiency Examination before taking the examination for MUS 212.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S"
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

# Music with Emphasis in Music Education (Pre-Certification - Vocal) (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Major: MUED

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Brass Methods 135	1
Woodwind Methods 235	1
String Methods 335	1
Elementary School Music Methods 228	2
Middle and Junior High School Music Methods 328	2
Choral Techniques 428	2
Ensemble Scoring I & II 345-346	4
Music Education Rehearsal Practicum 301-402 (four 1/2-hour courses)	2
Introduction to Music Education 116	1
Introduction to Jazz Improvisation 118	1
Jazz Methods 338	2

Learning Theory and Human Growth and Development ECPY 507	3
Exploring Teaching in the Sociopolitical Contexts of P-12 Schools EDTP 502	3
<b>Total</b>	<b>25</b>

### Supportive Area

Type	Hours
Applied Lessons (three additional 2-hour courses)	6
Voice Pedagogy 571	2
Piano Class 131-332 <sup>3</sup> (six 1-hour courses)	6
Diction 123-124	2
Conducting II 360-01	2
Music Electives	3
Elective	1
Healthy Lifestyles I HSS 184	3
<b>Total</b>	<b>25</b>

Total

Type	Hours
<b>Minimum Total</b>	<b>133</b>

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury.
4. The student must prepare at least 11 minutes of music.
5. MUS 242 Theory IV.
6. MUS 361-01 and -02 Music Literature.
7. MUS 097 Recital Attendance, four semesters with grade of "S"
8. ENGL 101 or ENGL 105 and at least three additional general education courses.
9. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

# Music with Emphasis in Music Education (P-12) - (Teacher Certification)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Unit: Music

## Teacher Certification Program

Students interested in pursuing P-12 Music Teacher Certification may do so through an undergraduate degree program or a graduate degree program:

1. A Bachelor of Music Education degree with Vocal Emphasis or a Bachelor of Music Education degree with Instrumental Emphasis through the School of Music.
2. A Master of Arts in Teaching degree through the College of Education and Human Development. See the prerequisites below:

Completion of a Bachelor's Degree

- Speech Communication course
- Teaching major in Music
- Learning Theory and Human Growth and Development ECPY 507
- Exploring Teaching in the Sociopolitical Contexts of P-12 Schools
  - EDTP 502

Students must apply and be accepted into the teacher education program. Contact the College of Education and Human Development Advising Center for specific admission requirements, including an application packet.

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# Music with Emphasis in Music Education (Vocal) (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Major: MUED

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (seven 1-hour courses) (Solely dependent on the ensemble audition.)	7
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>82</b>

## Plan Courses

### Major Area

Type	Hours
Brass Methods 135 <sup>5</sup>	1
Woodwind Methods 235 <sup>5</sup>	1
Percussion Methods 137 <sup>5</sup> or String Methods 335 <sup>5</sup>	1
Elementary School Music Methods 228 <sup>4,5</sup>	2
Middle and Junior High School Music Methods 328 <sup>5</sup>	2
Music Education Rehearsal Practicum 301-402 (four 1/2-hour courses)	2
Introduction to Music Education 116	1
Introduction to Jazz Improvisation 118	1
Jazz Methods 338	2
Ensemble Scoring I and II 345-346	4
Choral Techniques 428	2
Learning Theory and Human Growth and Development ECPY 507 <sup>5</sup>	3

Exploring Teaching in the Sociopolitical Contexts of P-12 Schools EDTP 502 <sup>5</sup>	3
Human Interaction/Professional Growth MUED 533 <sup>6</sup>	2
Sp Method-Vocal MUED 556 <sup>5,6,7</sup>	3
Student Teaching-Elementary School MUED 520 <sup>6</sup>	4
Student Teaching-Secondary School MUED 534 <sup>6</sup>	4
<b>Total</b>	<b>38</b>

### Supportive Area

Type	Hours
Applied Lessons (three additional 2-hour courses)	6
Voice Pedagogy 571	2
Piano Class 131-332 <sup>3,5</sup> or Voice 133-334 <sup>5</sup> (six 1-hour courses)	6
Diction 123-124	2
Conducting II 360-01 <sup>5</sup>	2
Healthy Lifestyles I HSS 184	3
Elective	1
<b>Total</b>	<b>22</b>

### Total

Type	Hours
<b>Minimum Total</b>	<b>142</b>

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard principals must pass the Piano Proficiency Examination before taking the examination for MUS 212.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S"
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th

semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

<sup>4</sup> This course is necessary for admittance to teacher education. Upon enrollment in MUS 228, the student shall secure an application for admission to teacher education from the College of Education and Human Development Advising Center.

<sup>5</sup> These courses are prerequisites for student teaching.

<sup>6</sup> Admission to Teacher Education is required before enrolling in these courses.

<sup>7</sup> MUED 556 must be taken prior to MUED 520 or MUED 534.

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# Music with Emphasis in Music Theory (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: THEO

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Strings take section 01, others solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Composition 243-344 (four 2-hour courses) <sup>3</sup>	8
Composition Seminar 441 (four 1/2-hour courses)	2
Ensemble Scoring I & II 345-346	4
Analysis 348	2
Chromatic Harmony and Analysis/Analysis of Twentieth-Century Music 547-548	4
Counterpoint 549-550	4
Digital Techniques I & II 567-568	4
Senior Paper 498	0
<b>Total</b>	<b>28</b>

### Supportive Area

Type	Hours
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Conducting II 360	2
Applied Lessons (three additional 2-hour courses)	6
Methods (three 1-hour courses)	3
Piano Class <sup>4,5</sup> (four 1-hour classes)	4
German 121 <sup>6</sup>	4
General Electives	4
<b>Total</b>	<b>23</b>

## **Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>134</b>

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following Requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class (for non-keyboard principals) or Piano Proficiency Examination (for keyboard principals).
3. MUS 212. The examination for MUS 212 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard principals must pass the Piano Proficiency Examination before taking the examination for MUS 212.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. MUS 244. The examination for MUS 244 will require submission of a portfolio of compositions to the faculty of the theory/composition department.
9. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Undergraduate theory majors enrolled in MUS 243-344 are required to present public performances of their original works to average at least eight minutes of music per semester.

<sup>4</sup> If applied principal is piano, Piano Class is replaced with 4 hours of electives. For students with a piano background, four semesters of MUS 121-122 (Secondary Piano) may be substituted.

<sup>5</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

<sup>6</sup> Theory majors are strongly advised to take a second semester of German.

# Music with Emphasis in Music Therapy (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUTH

Degree: BM

Unit: Music

## Program Courses

	Type	Hours
University-wide General Education requirements <sup>1,2</sup>		34
Music Theory 141-242 (four 4-hour courses)		16
Music Literature 361 (four 3-hour courses)		12
Principal Ensemble (eight 1-hour courses) (Strings take section 01, others solely dependent on the ensemble audition.)		8
Recital Attendance 097 (six semesters of "S")		0
Conducting I 359		2
Analysis 347		2
Applied Lessons (eight 1-hour courses, four 2-hour courses, or a combination of the two)		8
Introduction to Music Study 100		1
Piano Proficiency 297		0
<b>Total</b>		<b>83</b>

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.

## Plan Courses

### Major Area

	Type	Hours
Introduction to Music Therapy MUTH 101		1

Music Therapy Techniques I & II MUTH 201-202	6
Clinical Music Therapy Applications I–VI MUTH 213-414	3
Psychology of Music MUTH 301	3
Improvisation for Music Therapy I & II MUTH 311-312	2
Practicum in Music Therapy I–IV MUTH 321-422	4
Piano Accompaniment for Music Therapy MUTH 315	1
Principles and Practices of Music Therapy 1 & 2 MUTH 431-432	6
Introduction to Research in Music Therapy MUTH 302	3
Music Therapy Training Group I & II MUTH 325-326	2
Music Therapy Internship MUTH 451 <sup>5</sup>	2
<b>Total</b>	<b>33</b>

### Supportive Area

	Type	Hours
Piano Class MUS 131-232 <sup>3,4</sup> (four 1-hour courses)		4
Computers and Music I MUS 553		2
Percussion Methods MUS 137		1
Introduction to Jazz Improvisation MUS 118		1
Guitar Class I & II MUS 217-218		2
Voice Class MUS 227		1
Developmental Psychology PSYC 361 or Life-Span Developmental Psychology PSYC 363		3
Human Anatomy and Physiology HSS 202		3
Abnormal Psychology PSYC 385		3
Introduction to Exceptional Children EDSP 240		3
<b>Total</b>		<b>23</b>

### Total

Type	Hours
<b>Minimum Total</b>	<b>139</b>

### Admission to Senior College

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class (for non-keyboard principals) or Piano Proficiency Examination (for keyboard principals).
3. MUS 212 or, for students taking 1/2-hour lessons, four semesters of applied study.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral

Sciences content: Cultural Diversity competency). In addition, Music Therapy majors should consider COMM 115 Interpersonal Skills (Oral Communication content) and PSYC 201 Introduction to Psychology (Social and Behavioral Sciences content).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> If applied principal is piano, Piano Class is replaced with 4 hours of electives.

<sup>4</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

<sup>5</sup> 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.

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# Music with Emphasis in Organ Performance (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (two 4-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Organ Pedagogy 571	2
Applied Lessons (six additional 4-hour courses)	24
Service Playing (two 2-hour courses)	4
Organ Literature (two 2-hour courses)	4
Senior Recital <sup>3</sup>	0
<b>Total</b>	<b>34</b>

### Supportive Area

Type	Hours
Analysis 348	2
Advanced Theory	4

Two 2-hour courses chosen from:

Composition 143-144	
Ensemble Scoring I & II 345-346	
Chromatic Harmony and Analysis/Analysis of Twentieth-Century Music 547-548	
Counterpoint 549-550	
Secondary Piano (three 1-hour courses)	3
Conducting II 360	2
Music Electives	4
General Electives	4
<b>Total</b>	<b>19</b>

## **Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>136</b>

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. Piano Proficiency Examination
3. MUS 204. The examination for MUS 204 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard majors must pass the Piano Proficiency Examination before taking the examination for MUS 204.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Senior recital for all performance degrees is a public recital.

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# Music with Emphasis in Piano Performance (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (two 4-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Applied Lessons (six additional 4-hour courses)	24
Piano Literature (461, 561, 562)	6
Piano Ensemble (six 1/2-hour courses)	3
Piano Pedagogy (one 3-hour course)	3
Junior Recital	0
Senior Recital <sup>3</sup>	0
<b>Total</b>	<b>36</b>

### Supportive Area

Type	Hours
Analysis 348	2
Advanced Theory	4

Two 2-hour courses chosen from:  
 Composition 143-144  
 Ensemble Scoring I & II 345-346  
 Chromatic Harmony and Analysis/Analysis of  
 Twentieth-Century Music 547-548  
 Counterpoint 549-550

Organ, Harpsichord, or Voice (two 1-hour courses)	2
Conducting II 360	2
Music Electives	1
General Electives	4
<b>Total</b>	<b>15</b>

**Total**

Type	Hours
<b>Minimum Total</b>	<b>134</b>

**Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. Piano Proficiency Examination
3. MUS 204. The examination for MUS 204 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard major must pass the Piano Proficiency Examination before taking the examination for MUS 204.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> Senior recital for all performance degrees is a public recital.

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# Music with Emphasis in Piano Performance with Concentration in Piano Pedagogy (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Concentration: PDG

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons (four 2-hour courses)	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Applied Lessons (four 4-hour courses)	16
Piano Literature (461, 561, 562)	6
Piano Pedagogy (four 3-hour courses)	12
Piano Pedagogy Practicum (two 2-hour courses)	4
Senior Recital <sup>3</sup>	0
<b>Total</b>	<b>38</b>

### Supportive Area

	<b>Type</b>	<b>Hours</b>
Analysis 348		2
Advanced Theory		4
Two 2-hour courses chosen from:		
Composition 143-144		
Ensemble Scoring I & II 345-346		
Chromatic Harmony and Analysis/Analysis of Twentieth-Century Music 547-548		
Counterpoint 549-550		
Piano Ensemble (two 1/2-hour courses)		1
Conducting II 360		2
General Electives <sup>4</sup>		4
<b>Total</b>		<b>13</b>

## **Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>134</b>

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. Piano Proficiency Examination. MUS 202. The examination for MUS 202 will be graded by an expanded jury. The student must prepare at least 11 minutes of music. Keyboard majors must pass the Piano Proficiency Examination before taking the examination for MUS 202.
3. MUS 242 Theory IV.
4. MUS 361-01 and -02 Music Literature.
5. MUS 097 Recital Attendance, four semesters with grade of "S".
6. ENGL 101 or ENGL 105 and at least three additional general education courses.
7. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> For the B.M. with concentration in Piano Pedagogy, the senior recital may be presented before the departmental faculty. A junior recital is strongly recommended for pedagogy majors.

<sup>4</sup> Students are strongly encouraged to take a course in Educational Psychology or Child Development.

# Music with Emphasis in Vocal Performance (BM)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: MUSP

Degree: BM

Unit: Music

## Program Courses

Type	Hours
University-wide General Education requirements <sup>1,2</sup>	34
Music Theory 141-242 (four 4-hour courses)	16
Music Literature 361 (four 3-hour courses)	12
Principal Ensemble (eight 1-hour courses) (Solely dependent on the ensemble audition.)	8
Recital Attendance 097 (six semesters of "S")	0
Conducting I 359	2
Analysis 347	2
Applied Lessons	8
Introduction to Music Study 100	1
Piano Proficiency 297	0
<b>Total</b>	<b>83</b>

## Plan Courses

### Major Area

Type	Hours
Applied Lessons (additional hours)	22
Vocal Literature 561-562	4
Diction 123-124	2
Voice Pedagogy 571	2
Senior Recital <sup>3</sup>	0
<b>Total</b>	<b>30</b>

### Supportive Area

Type	Hours
Piano Class/Secondary Piano <sup>4</sup> (six 1-hour courses) (131-132, 231-232, 121-122)	6

Two 8-hour course sequences chosen from:

Italian 121-122	
German 121-122	16
French 121-122	
<b>Total</b>	<b>22</b>

## **Total**

**Type            Hours**  
**Minimum Total 135**

## **Admission to Senior College**

No B.M. degree student may enroll for 400-level music courses until all of the following requirements have been satisfied:

1. Completion of at least 48 credits toward the degree.
2. MUS 232 Piano Class.
3. MUS 204. The examination for MUS 204 will be graded by an expanded jury. The student must prepare at least 11 minutes of music.
4. MUS 242 Theory IV.
5. MUS 361-01 and -02 Music Literature.
6. MUS 097 Recital Attendance, four semesters with grade of "S".
7. ENGL 101 or ENGL 105 and at least three additional general education courses.
8. GPA of 2.5.

<sup>1</sup> Students are required to take PAS 214 African American Music (Arts and Humanities content: Cultural Diversity competency) and ANTH 205 Music in World Cultures (Social and Behavioral Sciences content: Cultural Diversity competency).

<sup>2</sup> MUH courses may not be taken to fulfill any General Education requirement.

<sup>3</sup> The senior recital for all performance degrees is a public recital.

<sup>4</sup> Students must pass the Piano Proficiency Examination before receiving credit for the 4th semester of the piano requirement. Students must be enrolled continuously in the class until their piano requirement has been completed. Students who pass the Piano Proficiency Examination before the 4th semester of Piano Class are encouraged to continue keyboard study for a total of four semesters.

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# Nursing (Accelerated BSN Program for Second Degree Students)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Major: NURA

Degree: BSN

Unit: Nursing

Second degree students must present official transcripts of course work completed in their first degree. By virtue of having completed a first bachelors degree, it is assumed that many of the course requirements in the pre-professional curriculum will be complete.

The following science and non-science courses, or an acceptable transfer equivalency, must be completed prior to beginning the nursing clinical course. It is essential that each individual receive specific advising on their program of study.

## Prerequisite Courses

### Science Courses

Type	Hours
CHEM 105, Chemistry for Health Professionals	4
BIOL 102, Introduction to Biological Systems	3
BIOL 257, Introductory Microbiology	3
BIOL 258, Microbiology Lab	1
BIOL 260, Anatomy and Physiology I	3
BIOL 261, Anatomy and Physiology II	3
BIOL 262, Anatomy and Physiology Lab	1
NURS 338, Lifespan Pathophysiology	4
NURS 395, Pharmacology	3
<b>Total</b>	<b>25</b>

### Non-Science Courses

Type	Hours
PSYC 363, Lifespan Developmental Psych. (or acceptable equivalent see advisor)	3 *
HSS 303, Human Nutrition	3
MATH 109, Elementary Statistics (or SOC 301 or PSYC 312)	3*
NURS 330-01, Bioethics or PHIL 323 or PHIL 321 or PHIL 222	1-3*

**Total**

**10-12\***

\*May take as Pass/Fail option

**Required Nursing Clinical Courses**

<b>Type</b>	<b>Hours</b>
NURS 361, Community Health Nursing	6
NURS 363, Health Assessment	3
NURS 364, Therapeutic Nursing Interventions	4
NURS 366, Foundations for Professional Nursing Practice	1
NURS 371, Adult Health Nursing	8
NURS 372, Psychiatric Mental Health Nursing	6
NURS 374, Nursing Research for Evidence-based Practice	2
NURS 461, Childbearing Family Nursing	4
NURS 463, Nursing Leadership and Management	3
NURS 464, Child Health Nursing	6
NURS 466, Global Health Care Issues	2
NURS 471, Synthesis of Complex Health Needs	5
NURS 472, Transition to Nursing Practice	2
NURS 473, Community Leadership Practicum	2
NURS 474, Capstone Professional Nursing Practicum	5
<b>Total</b>	<b>59</b>

**Total**

<b>Type</b>	<b>Hours</b>
Minimum hours from previous baccalaureate degree	24
<b>Minimum Total</b>	<b>120</b>

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# Nursing (RN-BSN Program) (BSN)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Major: NUR

Degree: BSN

Unit: Nursing

**Note:** This option is for students who are already licensed Registered Nurses.

RN-BSN students must present official transcripts of course work completed from all universities and schools attended.

## General Education

	Type	Hours
ENGL 101, Introduction to College Writing		3
ENGL 102, Intermediate College Writing		3
PSYC 201, Introduction to Psychology		3
Oral Communication General Education Requirement		3
CHEM 101, Introduction to Chemistry or CHEM 105, Chemistry for Health Professionals (4)		3
BIOL 102, Introduction to Biological Systems (Pre-requisite to BIOL 260, 261, 262)		3
Humanities General Education Requirement (Selected Humanities courses cross count for Culture Diversity Gen Ed requirement)		3
MATH 107, Finite Mathematics or MATH 111, College Algebra or MATH 112, Trigonometry or MATH 180, Elements of Calculus or MATH 190, Precalculus or MATH 205, Calculus or any higher number Mathematics courses		3
HISTORICAL STUDIES General Education Requirement		3
ARTS General Education Requirement (Selected Arts courses cross count for Culture Diversity Gen Ed requirement)		3
SOC 203, Self & Society or SOC 202, Social Problems or SOC 201, Principles and Concepts of Sociology or SOC 210, Race in the United States or SOC 313, Community Organization or SOC 314, Public Policy and Social Services or SOC 323, Diversity & Inequity *SOC 202 or SOC 210 fulfills the Sociology requirement and cross counts for Cultural Diversity Gen Ed requirement		3
BIOL 257, Introductory Microbiology		3
BIOL 258, Microbiology Lab		1
Cultural Diversity General Education Requirement		

(6 hours required: 3 fulfilled in NURS 470; 3 hours can be fulfilled by taking any Gen Ed approved Culture Diversity course, some of which will cross count for Humanities, Arts, or Sociology requirement) 3

\*For a complete list of the General Education Requirements please click here.

## Program Requirements

Type	Hours
BIOL 260, Anatomy and Physiology I	3
BIOL 261, Anatomy and Physiology II	3
BIOL 262, Anatomy and Physiology Lab	1
PHIL 323, Medical Ethics or PHIL 321, Ethics or PHIL 222, Contemporary Ethical Problems (will fulfill Gen Ed Humanities requirement)	3
MATH 109, Elementary Statistics or SOC 301, Introduction to Social Statistics or PSYC 301, Quantitative Methods in Psychology	3
HSS 303, Human Nutrition	3
Free Electives (if needed) at 300 level or above	4
<b>Subtotal</b>	<b>60</b>

**Note:** Students must have a minimum total of 60 credit hours for the pre-professional curriculum.

## Bridge Courses

### Summer Semester

Type	Hours
NURS 355, RN Portfolio Development & Evaluation	3
PHTX 395-50, Pharmacology 3	3
(Upon successful completion, students will be awarded 20 credit hours, equivalent to N351, 352, 442. Students must pay 1/2 the regular tuition for 20 hours in order to have credits posted to transcript)	20
<b>Total</b>	<b>26</b>

## Accelerated Nursing Courses

### Fall Semester

Type	Hours
NURS 338, Lifespan Pathophysiology	4
NURS 360, Health Status Assessment	3
NURS 370, Integration for Practice	3

**Total** **10**

**Spring Semester**

	<b>Type</b>	<b>Hours</b>
NURS 465, Research in Clinical Practice		3
NURS 470, Community Health Nursing		9
<b>Total</b>		<b>12</b>

**Summer Semester**

	<b>Type</b>	<b>Hours</b>
NURS 475, Professional Issues		1
NURS 480, Complex Health Management		8
NURS 485, Management of Health Care		3
<b>Total</b>		<b>12</b>

**Total** **60**

**Type** **Hours**  
**Minimum Total 120**

**Notes**

- All General Education and Program Requirement courses & NURS 355 must be completed prior to enrolling in the Accelerated Nursing courses.
  - 60 credits of the 120 credits required for a baccalaureate degree must be completed at a four-year university.
  - 30 of the last 36 credits must be completed at the University of Louisville.
  - All accelerated nursing courses are taught on-line.
  - Students interested in a part-time program of study for the accelerated nursing courses should contact an advisor.
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# Nursing (Pre-Licensure Program)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: NURS

Degree: BSN

Unit: Nursing

## Pre-Professional Curriculum

Type	Hours
NURS 101, S.T.A.T. for Nursing Students(Campus Culture)	1
ENGL 101, Introduction to College Writing	3
ENGL 102, Intermediate College Writing	3
PSYC 201, Introduction to Psychology	3
Oral Communication General Education Requirement	3
CHEM 105, Chemistry for Health Professionals	4
BIOL 102, Introduction to Biological Systems	3
BIOL 260, Anatomy and Physiology I	3
BIOL 261, Anatomy and Physiology II	3
BIOL 262, Anatomy and Physiology Lab	1
Humanities General Education Requirement (Selected Humanities courses cross count for the Culture Diversity Gen Ed requirement)	3
MATH 107, Finite Mathematics or MATH 111, College Algebra or MATH 112, Trigonometry or MATH 180, Elements of Calculus or MATH 190, Precalculus or MATH 205, Calculus or any higher number Mathematics courses	3
HISTORICAL STUDIES General Education Requirement	3
ARTS General Education Requirement (Selected Arts courses cross count for Culture Diversity Gen Ed requirement)	3
SOC 203, Self & Society or SOC 202, Social Problems* or SOC 201, Principles and Concepts of Sociology or SOC 210, Race in the United States* or SOC 313, Community Organization or SOC 314, Public Policy and Social Services or SOC 323, Diversity & Inequity (*SOC 202 or SOC 210 fulfills the Sociology requirement and cross counts for Cultural Diversity Gen Ed requirement)	3
PSYC 363, Lifespan Development Psychology	3
BIOL 257, Introductory Microbiology	3
BIOL 258, Microbiology Lab	1
Social Behavior Science (Gen . Ed. requirement)	3
PHIL 311, Introduction to Logic or	

PHIL 211, Critical Thinking (will fulfill Gen Ed Humanities requirement)	3
PHIL 323, Medical Ethics or PHIL 321, Ethics or PHIL 222, Contemporary Ethical Problems (will fulfill Gen Ed Humanities requirement)	3
MATH 109, Elementary Statistics or SOC 301, Introduction to Social Statistics or PSYC 312, Quantitative Methods in Psychology	3
HSS 303, Human Nutrition	3
Culture Diversity General Education Requirement (6 hours required: 3 fulfilled in NURS 361; 3 hours can be fulfilled by taking any Gen Ed approved Culture Diversity course, some of which will cross count for Humanities, Arts, or Sociology requirement)	3
NURS 338, Lifespan Pathophysiology	4
NURS 395, Basic Pharmacology	3
<b>Subtotal</b>	<b>65-71</b>

\*For a complete list of the General Education Requirements please click [here](#).

## Professional Curriculum

### Junior Level

Type	Hours
NURS 361, Community Health Nursing	6
NURS 363, Health Assessment	3
NURS 364, Therapeutic Nursing Interventions	4
NURS 366, Foundations for Professional Nursing Practice 1	1
NURS 371, Adult Health Nursing	8
NURS 372, Psychiatric Mental Health Nursing	6
NURS 374 Nursing Research for Evidence-Based Practice 2	2
<b>Total</b>	<b>30</b>

### Senior Level

Type	Hours
NURS 461, Childbearing Family Nursing	4
NURS 463 Nursing Leadership and Management	3
NURS 464, Child Health Nursing	6
NURS 466, Global Health Care Issues, Systems and Policies 2	2
NURS 471, Synthesis of Complex Health Needs	5
NURS 472, Transition to Nursing Practice	2
NURS 473, Community Leadership Practicum	2
NURS 474, Capstone Professional Nursing Practicum	5
<b>Total</b>	<b>29</b>

Type	Hours
<b>Minimum Total</b>	<b>120</b>

# Pan-African Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Pan-African Studies

Major: PAS

Degree: BA

Unit: 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.

## General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
<b>Total</b>	<b>22</b>

WR—two approved courses at the 300 level or above  
(may be incorporated into other degree requirements)

## Department of Pan-African Studies

### Pan-African Studies Core

Type	Hours
Pan-African Studies 200 <sup>1</sup>	3
Pan-African Studies: additional course at the 200 level	3
Pan-African Studies 408 <sup>2</sup>	3
Pan-African Studies 500 or 586	3

Capstone Elective: Any 500 level Pan-African Studies course approved by the advisor	3
<b>Total</b>	<b>15</b>

**Pan-African Studies Subfields**

	<b>Type</b>	<b>Hours</b>
Cultural Studies: Pan-African Studies courses focusing on art, music, literature, philosophy or religion		9
Historical Studies: Pan-African Studies courses focusing on African American, African and African Diaspora history		6
Social Studies: Pan-African Studies courses focusing on race, gender, family, health, psycho-social, geography, economics, education, or politics		6
<b>Total</b>		<b>36</b>

**Supporting Courses**

	<b>Type</b>	<b>Hours</b>
Electives in Social Sciences, other than Department of PanAfrican Studies		6
Electives in the Humanities or Natural Sciences, of which 6 hours must be at 300 level or above		12
<b>Total</b>		<b>18</b>

Minimum Electives	11
<b>Total</b>	<b>29</b>

**Type      Hours**  
**Minimum Total 121**

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

# Pan-African Studies (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: PAS

Degree: BS

Unit: 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.

## General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Natural Sciences at the 300 level or above (in addition to courses counted toward General Education)	6
<b>Total</b>	<b>13-15</b>

WR—two approved courses at the 300 level or above  
(may be incorporated into other degree requirements)

## Department of Pan-African Studies

### Pan-African Studies Core Courses

Type	Hours
Pan-African Studies 200 <sup>1</sup>	3
Pan-African Studies: additional course at 200 level	3
Pan-African Studies 408 <sup>2</sup>	3
Pan-African Studies 500 or 586	3
Capstone Elective: any Pan-African Studies course at the 500 level or above, approved by the advisor	3

**Total** **15**

**Pan-African Studies Subfields**

<b>Type</b>	<b>Hours</b>
Cultural Studies: Pan-African Studies courses focusing on art, music, literature, philosophy, or religion	6
Historical Studies: Pan-African Studies courses focusing on African American, African, and African Diaspora history	9
Social Studies: Pan-African Studies courses focusing on race, gender, family, health, psycho-social, geography, economics, education, or politics	9
<b>Total</b>	<b>39</b>

**Supporting Courses**

<b>Type</b>	<b>Hours</b>
Electives in the Division of Social Sciences, other than Pan-African Studies	12
Electives in Humanities or Natural Sciences, of which 6 hours must be at the 300 level or above	18
<b>Total</b>	<b>30</b>
<b>Minimum Electives</b>	<b>3-5</b>

**Total**

**Type**      **Hours**  
**Minimum Total 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.

<sup>1</sup>Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

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# Pan-African Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor: PAS

Unit: Arts and Sciences(AS)

	<b>Type</b>	<b>Hours</b>
Pan-African Studies 200		3
Cultural Studies: Pan-African Studies courses focusing on art, music, literature, philosophy and religion		6
Historical Studies: Pan-African Studies courses focusing on African American, African and African Diaspora history		6
Social Studies: PAS courses focusing on race, gender, family, health, psychosocial, geography, economics, education or politics		6
<b>Minimum Total</b>		<b>21</b>

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# Paralegal Studies (AA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Associate of Arts in Paralegal Studies

Major: PRLS

Degree: AA

Unit: College of Arts and Sciences(AS)

Department: Political Science

**Note:** Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 in Paralegal courses.

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the program director.

## General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
<b>Total</b>	<b>1</b>

WR—one approved course at the 300 level or above (may be incorporated into other degree requirements)

## Paralegal Studies Program

Type	Hours
Paralegal Studies 101, 102, 203, 399	10
Any five of the following:	15
Paralegal Studies 305, 310, 320, 325, 326, 330, 335, 340, 350, 360, 370, 380, 391	
Paralegal Studies 390, Internship (required of students with no paralegal background)	0-3
Political Science 201 <sup>1</sup>	3
<b>Total</b>	<b>28-31</b>

**Total**

**Type      Hours**  
**Minimum Total 63-66**

<sup>1</sup> Fulfills General Education requirement.

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# Philosophy with concentration in Bioethics (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Philosophy with concentration in Bioethics

Major: PHIL

Degree: BA

Unit: College of Arts and Sciences

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the department .

## General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education); 6 hours must be at the 300 level or above	9
<b>Total</b>	<b>22</b>

WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)

## Department of Philosophy

Type	Hours
Philosophy 301, 302, 303, 304 (select two)	6
Philosophy 311, 312, or 512	3
Philosophy 321	3
Philosophy 323	3
Philosophy 308, 318, 319, 320, 330, 350, 521, 522, 523, 535, 536, 572 (select 3, one of which must be at the 500 level)	9

**Total** **24**

Supporting Courses

<b>Type</b>	<b>Hours</b>
Humanities 591, 592, 593, 594, 595, or 596 <sup>1</sup>	3
Biology 240, 263, 329, 330, 357, 360, 372, 376, or 485	3
<b>Medicine and Health area:</b> Select two courses from this area or one course from this area and one course from the Social Justice area. Anthropology 303, 350, 351; Communication 430; Geography 362/Pan African Studies 384; Geography 520/Pan African Studies 560; Geography 521; History 328; Humanities 332; Pan African Studies 366, 375; Psychology 342, 366, 381, 485, 550, 581; Sociology 340, 342, 343/Women's and Gender Studies 312; Sociology 410, 441, 442; Women's and Gender Studies/HSS 364;	6
<b>Social Justice area:</b> Anthropology 333; History 321; Humanities 331/ Women's and Gender Studies 303; Humanities 333; Pan African Studies 326, 338; Women's and Gender Studies 343/Pan African Studies 392/Sociology 392	
Electives in Humanities Division, other than Philosophy, at the 300 level or above	9
Minimum Electives	20
<b>Total</b>	<b>41</b>

**Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup>Fulfills WR requirement.

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# Philosophy with concentration in Humanities (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Philosophy with concentration in Humanities

Major: PHIL

Degree: BA

Unit: College of Arts and Sciences

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the department .

### General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
<b>Total</b>	<b>22</b>

WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)

### Department of Philosophy

Type	Hours
Philosophy 301-304 (any three)	9
Philosophy 311, 312, or 512 (any one)	3
Philosophy 321	3
Philosophy elective at 300 level or above	3

Philosophy electives at 500 level	6
<b>Total</b>	<b>24</b>

### **Supporting Courses**

	<b>Type</b>	<b>Hours</b>
Humanities 591, 592, 593, 594, 595, or 596 <sup>1</sup>		3
Electives in Humanities Division, other than Philosophy, at 300 level or above		15
Minimum Electives		23

### **Total**

<b>Type</b>	<b>Hours</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup>Fulfills WR requirement.

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# Philosophy with concentration in Social Sciences (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Bachelor of Arts in Philosophy with concentration in Social Sciences

Major: PHIL

Degree: BA

Unit: College of Arts and Sciences

Completion of this degree requires work to be submitted for the program's Learning Outcomes Measurement. For details, contact the department .

### General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: Modes of Inquiry	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
<b>Total</b>	<b>22</b>

WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)

### Department of Philosophy

Type	Hours
Philosophy 301-304 (any three)	9
Philosophy 311, 312, or 512 (any one)	3
Philosophy 321	3
Philosophy elective at 300 level or above	3

Philosophy electives at 500 level	6
Social Science-related elective in Philosophy (PHIL 308, 317, 318, 319, 323, 328, 329, 330, 350, 357, 504, 518, 523, 524, 535, 537, 538, or other, by approval of undergraduate adviser)	3
<b>Total</b>	<b>27</b>

### Supporting Courses

Type	Hours
Humanities 591, 592, 593, 594, 595, or 596 <sup>1</sup>	3
Electives in Social Sciences Division at 300 level or above <sup>2,3</sup>	9
Electives in Social Sciences Division at 400 level or above	3
Minimum Electives	23
<b>Total</b>	<b>38</b>

### Total

Type	Hours
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup>Fulfills WR requirement.

<sup>2</sup> 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.

<sup>3</sup> In addition to courses counted for General Education or college programmatic requirements.

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# Philosophy (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

Minor: PHIL

Unit: College of Arts and Sciences

Type	Hours
Philosophy 301, 302, 303, 304 (any one)	3
Philosophy 211, 311, 312, 512, (any one)	3
Philosophy 222, 225, 321, 323, 331 (any one)	3
Philosophy electives at 300 level or above	6
Philosophy elective at 500 level	3
<b>Total</b>	<b>18</b>

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# Physics (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Physics (BA)

Major: PHYS

Degree: BA

Unit: College of Arts and Sciences (AS)

The B.A. 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 fulfill teaching certification requirements and, if desired, to complete a 21-hour teaching minor.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

Type	Hours
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

	Type	Semester Hours	Total
General 101: A&S Orientation		1	
Foreign Language (completion of the intermediate level of a single foreign language)		12	
Electives in Humanities or Social Sciences (in addition to courses counted toward General Education, 6 hours must be at the 300 level or above)		9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)			
<b>Total</b>			<b>22</b>

## Department of Physics

Type	Semester Hours	Total
Physics 295 <sup>1</sup> , 296, 301	3	

Physics 298 <sup>1</sup> , 299, 300	11	
Physics 460, 530, 541	9	
Physics electives at the 300 level or above	9	
<b>Total</b>		<b>32</b>

### Supporting Courses

Type	Semester Hours	Total
Mathematics 205 <sup>1</sup> , 206, 301	12	
Chemistry 201, 202, 207, 208, 209	9	
Biology 240 and 244	5	
Geosciences 301	3	
<b>Total</b>		<b>29</b>

### Electives & Total Hours

Type	Hours
Minimum Electives	3
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

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# Physics (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Physics (BS)

Major: PHYS

Degree: BS

Unit: College of Arts and Sciences (AS)

The B.S. 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.

Type	Semester Hours Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Humanities or Social Sciences at 300 level or above, in addition to courses counted toward General Education	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

## Department of Physics

Type	Semester Hours	Total
Physics 295 <sup>1</sup> , 296, 301	3	
Physics 298 <sup>1</sup> , 299, 300	11	
Physics 351	2	

Physics 390, 450, 460, 541, 555 15  
 Professional, Applied Optics, Astronomy and Astrophysics, Computational Science,  
 or Materials Science concentration (see below) 11-14

**Total** 42-45

## Physics Concentrations

### Professional

Type	Semester Hours
Physics 530	3
Physics 542	3
Physics 556	3
Physics 498	3

### Applied Optics

Type	Semester Hours
Physics 355, 356	5
Physics 542 or Electrical & Computer Engineering 540	3
Physics 545 or Electrical & Computer Engineering 545	3

### Astronomy and Astrophysics

Type	Semester Hours
Physics 307	3
Physics 308	1
Physics 355	3
Physics 589	3
Physics 590	3

### Computational Science

Type	Semester Hours
Physics 565	3
Computer Engineering & Computer Science 120	1
Computer Engineering & Computer Science 121	2
Computer Engineering & Computer Science 303	1
Computer Engineering & Computer Science 306	1
Electrical & Computer Engineering 210	3
Electrical & Computer Engineering 412	3

### Materials Science

Type	Semester Hours
Chemical Engineering 251	4
Chemical Engineering 253	3
Electrical & Computer Engineering 542	3
Physics 575	3

### Supporting Courses

Type	Semester Hours	Total
Chemistry 201 and 202 <sup>1</sup>	6	
Mathematics 205 <sup>1</sup> , 206, 301	12	
<b>Total</b>		<b>18</b>

### Electives & Total Hours

Type	Hours
Minimum Electives	9-14
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

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# Physics (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Physics

Minor: PHYS

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Physics 221, 222, 223, 224, or 295, 296, 298, 299	8-10	
Physics 300, 301	4	
Physics electives numbered 302 through 599 (No more than 3 hours may be taken in Independent Study)	4-6	
<b>Minimum Total</b>		<b>18</b>

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# Police Executive Leadership Development (CPE)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Certificate in Police Executive Leadership Development

Major: PEDC

Degree: CPE

Unit: College of Arts and Sciences (AS)

Department: Justice Administration

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.

## Certificate in Police Executive Leadership Development

	Type	Hours
Justice Administration 383		3
Justice Administration 471		3
Justice Administration 473		3
Justice Administration 477		3
Justice Administration 576		3

The curriculum is designed to prepare student-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. Students who are accepted for the Southern Police Institute course are enrolled as full-time students in the University of Louisville. Each student is enrolled in five different courses, and those who successfully complete the courses receive 15 hours of college credit. Students who have a baccalaureate degree are enrolled in the graduate certificate option outlined in the Graduate Catalog. 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.

**Minimum Total** 15

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# Political Science (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Political Science (BA)

Major: POLS

Degree: BA

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

	Type	Total
General Education		34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## Arts & Sciences Programmatic Requirements

	Type	Semester Hours	Total
General 101: A&S Orientation		1	
Foreign Language (completion of the intermediate level of a single foreign language)		12	
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)		9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)			
<b>Total</b>			<b>22</b>

## Department of Political Science

	Type	Semester Hours	Total
Political Science 201 <sup>1</sup> , 202 <sup>1</sup> , or 299 <sup>1</sup> (Students with credit for Political Science 299 may not receive credit for 201 or 202)		3	
Political Science 390 <sup>3</sup>		3	
Political Science 495 <sup>2,3</sup>		3	
Political Science electives		21	
<b>Total</b>			<b>30</b>

## Supporting Courses

Type	Semester Hours	Total
Economics 202 <sup>1</sup>	3	
Electives in Social Sciences other than Political Science, with 9 hours at the 300-level or above	15	
<b>Total</b>		<b>18</b>

## Electives & Total Hours

Type	Hours
Minimum Electives	17
<b>Minimum Total</b>	<b>121</b>

**NOTE:** No more than 6 hours of Political Science 450 and no more than 6 hours of Political Science 510 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.

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

<sup>3</sup> Substitutions may be approved by the departmental advisor.

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# Political Science (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor: POLS

Unit: College of Arts and Sciences (AS)

Type	Semester Hours	Total
Political Science 201 <sup>1</sup> , 202 <sup>1</sup> , or 299 <sup>1</sup> (Students with credit for Political Science 299 may not receive credit for 201 or 202)	3	
Political Science electives (15 hours must be at the 300-level or above.)	18	
<b>Minimum Total</b>		<b>21</b>

<sup>1</sup> Fulfills general education requirement.



# Political Science with Concentration in Law and Public Policy (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Political Science with Concentration in Law and Public Policy (BS)

Major: POLS

Concentration: LPP

Degree: BS

Unit: College of Arts and Sciences (AS)

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8	
Electives in Humanities or Natural Sciences at 300 level or above, in addition to courses counted toward General Education	6	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>13-15</b>

### Department of Political Science

Type	Semester Hours	Total
Political Science 201 <sup>1</sup> , 202 <sup>1</sup> , or 299 <sup>1</sup> (Students with credit for Political Science 299		

may not receive credit for 201 or 202)	3	
Political Science 390 <sup>3</sup>	3	
Political Science 325 <sup>4</sup> or 326 <sup>4</sup>	3	
Political Science 495 <sup>2,3,4</sup>	3	
<b>Law and Jurisprudence Area:</b>		
Political Science 312, 313, 314, 315, 320, 332 <sup>2</sup> , 337 or Paralegal Studies 325 <sup>4</sup> , 326, 337 (select 3)	9	
<b>Public Policy Area:</b>		
Political Science 325 <sup>4</sup> , 326, 333, 336, 338, 405, 426, 505 (select 2)	6	
Electives in Political Science	12-15	
<b>Total</b>		<b>42</b>

### Supporting Courses

Type	Semester Hours	Total
Economics 201 <sup>1</sup> and 202 <sup>1</sup>	6	
Economics electives at 300 level or above	6	
Mathematics 107 <sup>1</sup> or 180 <sup>1</sup>	3	
Philosophy 211 <sup>1</sup> or 311	3	
<b>Total</b>		<b>18</b>

### Electives & Total Hours

Type	Hours
Minimum Electives	11-13
<b>Minimum Total</b>	<b>121</b>

Note: No more than 6 hours of Political Science 450 and no more than 6 hours of Political Science 510 may count toward the major.

<sup>1</sup> Fulfills general education requirement.

<sup>2</sup> Fulfills WR requirement.

<sup>3</sup> Substitutions may be approved by the departmental advisor.

<sup>4</sup> May not be double counted in Law and Policy areas.

# Political Science with Concentration in Paralegal Studies (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Political Science with Concentration in Paralegal Studies (BS)

Major: POLS

Concentration: PARA

Degree: BS

Unit: College of Arts and Sciences (AS)

Note: Completion of the B.S. in Political Science with Paralegal Concentration 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.

Type	Semester Hours Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours Total
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Humanities or Natural Sciences at 300+ level, in addition to courses counted toward General Education WR—two approved courses at 300+ level (may be incorporated into other degree requirements)	6
<b>Total</b>	<b>13-15</b>

### Department of Political Science

Type

Semester Total

	<b>Hours</b>
Political Science 201 <sup>1</sup> , 202 <sup>1</sup> , or 299 <sup>1</sup> (Students with credit for POLS 299 may not receive credit for 201 or 202)	3
Political Science 390 <sup>3</sup>	3
Political Science 325 <sup>4</sup> or 326 <sup>4</sup>	3
Political Science 495 <sup>2,3,4</sup>	3
<b>Law and Jurisprudence Area:</b>	
Political Science 312, 313, 314, 315, 320, 332 <sup>2</sup> , 337(select 3)	9
<b>Policy Area:</b>	
Political Science 325, 326, 333, 336, 338, 405, 426, 505 (select two)	6
Electives in Political Science	3
<b>Total</b>	<b>30</b>

### **Paralegal Concentration:**

Type	Semester Hours	Total
Paralegal Studies 101, 102, 203, 399, and 390	13	
Electives in Paralegal Studies	15	
<b>Total</b>		<b>28</b>

### **Supporting Courses**

Type	Semester Hours	Total
Economics 201 <sup>1</sup> and 202 <sup>1</sup>	6	
Philosophy 211 <sup>1</sup> or 311	3	
Mathematics 107 <sup>1</sup> or 180 <sup>1</sup>	3	
<b>Total</b>		<b>12</b>

### **Electives & Total Hours**

Type	Hours
Minimum Electives	2-4
<b>Minimum Total</b>	<b>121</b>

<sup>1</sup> Fulfills General Education requirement.

<sup>2</sup> Fulfills WR requirement.

<sup>3</sup> Substitutions may be approved by the departmental advisor.

<sup>4</sup> May not be double counted in Law or Policy areas.

# Psychology with concentration in Natural Sciences (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Psychology with concentration in Natural Sciences (BA)

Major: PSYC

Concentration: NSC

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major in Psychology requires (1) completion of Psychology 201 with a minimum grade of C-; (2) completion of two additional courses in Psychology at the 300-level with minimum grades of C-; and (3) completion of 30 hours of degree applicable credit with a minimum grade point average of 2.0.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>22</b>

### Department of Psychology

Type	Semester Total
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	<b>Hours</b>
Psychology 201 <sup>1</sup> , 301-302	9
Four courses from the following: 313, 321, 322, 331, 344, 363, 372, 375, 385, 501	12
Electives in Psychology	9
<b>Total</b>	<b>30</b>

### **Supporting Courses**

<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
Electives in the Division of Natural Sciences, in addition to courses counted toward General Education, to bring total hours in Natural Sciences to 21, with no more than 12 hours in any one department	11	
<b>Total</b>		<b>11</b>

### **Electives & Total Hours**

<b>Type</b>	<b>Hours</b>
Minimum Electives	24
<b>Minimum Total</b>	<b>121</b>

**NOTE:** 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.

<sup>1</sup> Fulfills General Education requirement.

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# Psychology with concentration in Social Science (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Psychology with concentration in Social Science (BA)

Major: PSYC

Concentration: SSC

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major in Psychology requires (1) completion of Psychology 201 with a minimum grade of C-; (2) completion of two additional courses in Psychology at the 300-level with minimum grades of C-; and (3) completion of 30 hours of degree applicable credit with a minimum grade point average of 2.0.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

Type	Total
General Education	34

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

### Arts & Sciences Programmatic Requirements

Type	Semester Hours	Total
General 101: A&S Orientation	1	
Foreign Language (completion of the intermediate level of a single foreign language)	12	
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9	
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)		
<b>Total</b>		<b>22</b>

### Department of Psychology

Type	Semester Total
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	<b>Hours</b>
Psychology 201 <sup>1</sup> , 301-302	9
Four courses from the following: 313, 321, 322, 331, 344, 363, 372, 375, 385, 501	12
Electives in Psychology	9
<b>Total</b>	<b>30</b>

**Supporting Courses (may include courses taken to meet the General Education requirements)**

<b>Type</b>	<b>Semester Hours</b>	<b>Total</b>
Electives in one Social Science Department, other than Psychology	6	
Electives in a second Social Science department, other than Psychology	6	
Electives in Social Sciences, other than Psychology	6	
<b>Total</b>		<b>18</b>

**Electives & Total Hours**

<b>Type</b>	<b>Hours</b>
Minimum Electives	17
<b>Minimum Total</b>	<b>121</b>

**NOTE:** 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.

<sup>1</sup> Fulfills General Education requirement.

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# Psychology (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: PSYC

Degree: BS

Unit: College of Arts and Sciences (AS)

**Note:** Admission to the major in Psychology requires (1) completion of Psychology 201 with a minimum grade of C-; (2) completion of two additional courses in Psychology at the 300-level with minimum grades of C-; and (3) completion of 30 hours of degree applicable credit with a minimum grade point average of 2.0.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

Type	Hours
General Education Requirements	34
<b>Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program. 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.

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Natural Sciences at 300+level (in addition to courses counted toward General Education)	6
<b>Total</b>	<b>13-15</b>

WR-two approved courses at the 300 level or above  
(may be incorporated into other degree requirements)

## Department of Psychological and Brain Sciences

Type	Hours
Psychology 201, 301-302	9
Four courses from the following: Psychology 313, 321, 322, 331, 344, 363, 372, 375, 385, 501	12
Electives in Psychology	12

**Total** **33**

**Supporting Courses**

	<b>Type</b>	<b>Hours</b>
Biology 240, 242, 244		8
Chemistry 201, 202, 207, 208, 209		9
Computer Engineering and Computer Science 121		1
Mathematics 205 (or higher level course)		3-4
Physics 221, 222, 223, 224		8
Electives in Natural Sciences or Engineering at the 200+ level		1-3
Minimum Electives		6-11
<b>Total</b>		<b>36-44</b>

**Total**

	<b>Type</b>	<b>Hours</b>
<b>Total</b>		
<b>Minimum</b>		<b>121</b>

Note: 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.

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# Psychology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor: PSYC

Unit: College of Arts and Sciences (AS)

Note: Admission to the minor in Psychology requires (1) completion of Psychology 201 with a minimum grade of C-; (2) completion of two additional courses in Psychology at the 300-level with minimum grades of C-; and (3) completion of 30 hours of degree applicable credit with a minimum grade point average of 2.0.

Type	Hours
Psychology 201	3
Psychology 301-302	6
Three courses from the following: 313, 321, 322, 331, 344, 363, 372, 375, 385, 501	9
Electives in Psychology	3
<b>Minimum Total</b>	<b>21</b>

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# Race/Gender Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Race/Gender Studies

Minor: RGS

Unit: College of Arts and Sciences (AS)

Department: Women's and Gender Studies and Pan-African Studies

Type	Hours
Women's and Gender Studies 201	3
Pan-African Studies 200	3
Women's and Gender Studies 347/PanpAfrican Studies 364	3
Six hours chosen from the following:	6
Women's and Gender Studies 207/Pan-African Studies 207/Philosophy 207	
Women's and Gender Studies 340/Pan-African Studies 340	
Women's and Gender Studies 343/Pan-African Studies 392/Sociology 392	
Women's and Gender Studies 346/Pan-African Studies 385	
Women's and Gender Studies 348/Pan-African Studies 332	
Women's and Gender Studies 380/Pan-African Studies 350//Theatre Arts 363	
Women's and Gender Studies 513/Pan-African Studies 513/ History 513/ Social Change	
513	
Women's and Gender Studies 540/Pan-African Studies 562	
Women's and Gender Studies 543/Pan-African Studies 542	
(Other courses may be substituted with advisor approval.)	
Elective in Pan-African Studies at 300-level or above (may not be cross-listed with Women's and Gender Studies)	3
Elective in Women's and Gender Studies at 300-level or above (may not be cross-listed with Pan-African Studies)	3
<b>Minimum Total</b>	<b>21</b>

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# Religious Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Minor: RLS

Unit: Arts and Sciences (AS)

**Note:** The Religious Studies minor is housed in the Humanities Division Program.

Type	Hours
Humanities 510 (Area A)	3
One course from Area B	3
One course from Area C	3
One course from Area D	3
One course from Area E	3
One course from Area F	3
<b>Minimum Total</b>	<b>18</b>

## Area A: Methods and Theories

- Humanities 510

## Area B: Overview of Religious Studies

- Humanities 215, 216
- Anthropology 331
- Philosophy 345
- Sociology 346

## Area C: Christianity

- Humanities 312, 319, 335
- History 350, 572

## Area D: Eastern Religions or Islamic Studies

- Humanities 306, 316, 341, 342, 343, 345
- Philosophy 315
- Women's Studies 345

## Area E: Jewish Studies

- Humanities 309, 311, 315, 317, 318

## Area F: Topical Courses

- Humanities 338, 339, 340, 344, 377, 379, 511, 512, 513, 514;
- Pan African Studies 317, 328;



# Russian Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Russian Studies

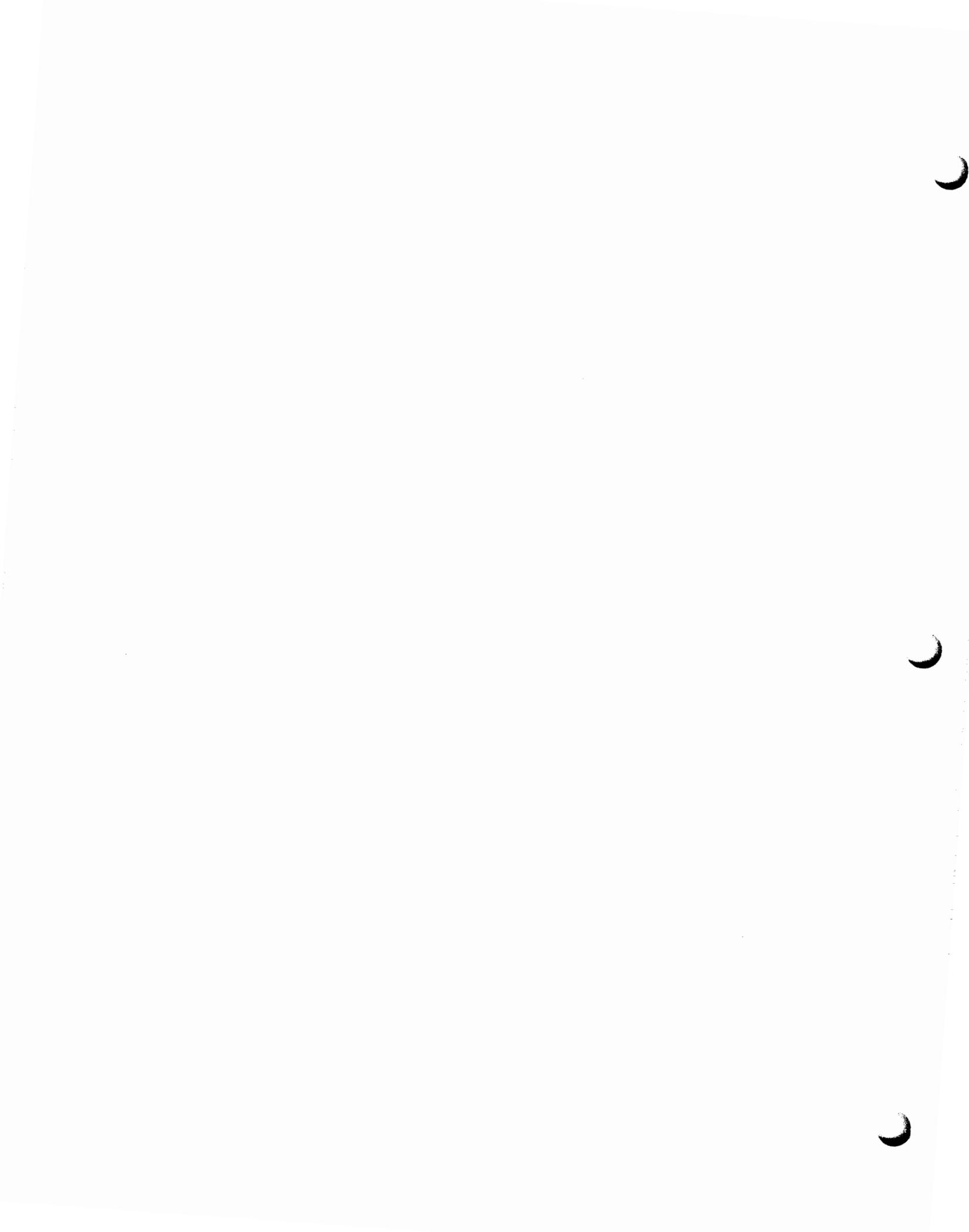
Minor: RUST

Department: Classical and Modern Languages

Unit: College of Arts and Sciences(AS)

Type	Hours
Russian 221, 321, 322	10
Select 3 from:	
Russian courses at the 300-400 level	
Modern Languages 313, 353, 354	9
History 363, 364, 385, 547, 587	
Political Science 345	
<b>Total</b>	<b>19</b>

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# School Health Education (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in School Health Education

Minor: SHE

Department: HSS

Unit: College of Education and Human Development

Type	Semester Hours	Total
HSS 200 Exploring Health and Prevention Science	3	
HSS 310 Healthy Lifestyles II	3	
HSS 384 Program Planning in Health Education*	3	
HSS 385 Methods in Health Education*	3	
HSS 463 Sexuality Education	3	
HSS 455 Current Trends & Studies in HSS*	3	
HSS 562 Alcohol & Drug Education	3	
<b>Minimum Total</b>		<b>21</b>

**\*Please note that these courses have prerequisite requirements which may not be listed in the courses above.**

**Note:** A 2.5 gpa is required. Only one "D" will be accepted in HSS courses.

To apply for the minor: <http://louisville.edu/education/ssa/online-forms>

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# Teaching Certification in Secondary Education

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Teacher Certification in Secondary Education (8-12)

Unit: College of Education and Human Development

Teacher certification in Middle Grades Education (grades 8-12) is available at both the undergraduate and graduate levels.

Students interested in teacher certification at the graduate level through the Master of Arts in Teaching (MAT) degree must first complete a baccalaureate degree in an appropriate academic field before entering the teacher certification program at the graduate level. Students must apply and be accepted into the MAT program in order to complete teacher certification.

The following courses are pre-requisites for application to the Master of Arts in Teaching degree in Secondary Education. They may be taken as part of the baccalaureate degree program. In addition to these courses, other application credentials must be submitted. For a complete listing of admission requirements and application deadlines, contact the College of Education and Human Development Advising Center.

### A Bachelor's degree including

Type	Hours
Speech Communication (OR Speech Proficiency Exam)	3
Secondary Teaching Field (English, Mathematics, Social Studies, Biological Science, Chemistry, Physics, Earth Space Sciences or Business and Marketing Education)	30 (minimum)

For a listing of specific courses, which meet the requirements listed above, contact the College of Education and Human Development Advising Center.

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# Social Change (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Social Change

Minor: SCHG

Unit: College of Arts and Sciences (AS)

Type	Hours
History 323, Philosophy 538, Sociology 453, Women's and Gender Studies 513 (select one)	3
Four courses, with no more than 9 hours in any one department, selected from the following:	12
-Anthropology 333, 337, 340, 352	
-Biology 440	
-Communication 455	
-History 313, 318, 322, 327, 514, 533, 588	
-Modern Languages 260	
-Pan African Studies 324, 364	
-Philosophy 328, 329, 524	
-Political Science 111, 302, 315, 324, 335, 395	
-Psychology 475	
-Social Change 300, 301, 302, 303, 500, 501, 502, 503	
-Sociology 323, 452	
-Theatre Arts 367	
Social Change 399	1
Social Change 401	3
<b>Total</b>	<b>19</b>

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# Social Work (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Social Work

Major: BSW

Degree: BS

Unit: Kent School of Social Work (KE)

General Education

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

## Competency Area

Type	Hours
Diversity	6

If this competency area is not covered as part of the General Education requirements, 6 additional hours will be needed to fulfill the UofL competency area requirement.  
Suggested courses: COMM 275, HUM 152, PAS 200 or SOC 210

## Supporting Courses

Type	Hours
BIOL 260*, HPES 202* or PSYCH 344	3
MATH 109*, PSYC 301*, SOC 301* or JA 326*	3
PSYC 201*	3
SOC 201*, 202*, 203*	3
<b>Total</b>	<b>12</b>

\* Or equivalent as approved/decided by the unit

Type	Hours
Minimum elective credit in social, behavioral natural science, or a foreign language	9

(If competency area requirement (Diversity) is met within the General Education requirement, a total of 15 elective hours will be needed to meet the total minimum hours

needed for the degree).

**Total**

9

Type	Hours
<b>Total Pre-Professional Curriculum</b>	<b>60-61</b>

## **Professional Curriculum**

Type	Hours
<b>Junior Year</b>	
<b>Fall Semester</b>	
SW 201 - Introduction to Social Work	4
SW 302 - Social Welfare Institutions, Policies & Services	3
SW 303 - Generalist Practice I	3
SW 301 - Human Behavior & the Social Environment	3
Elective	3
<b>Total</b>	<b>16</b>

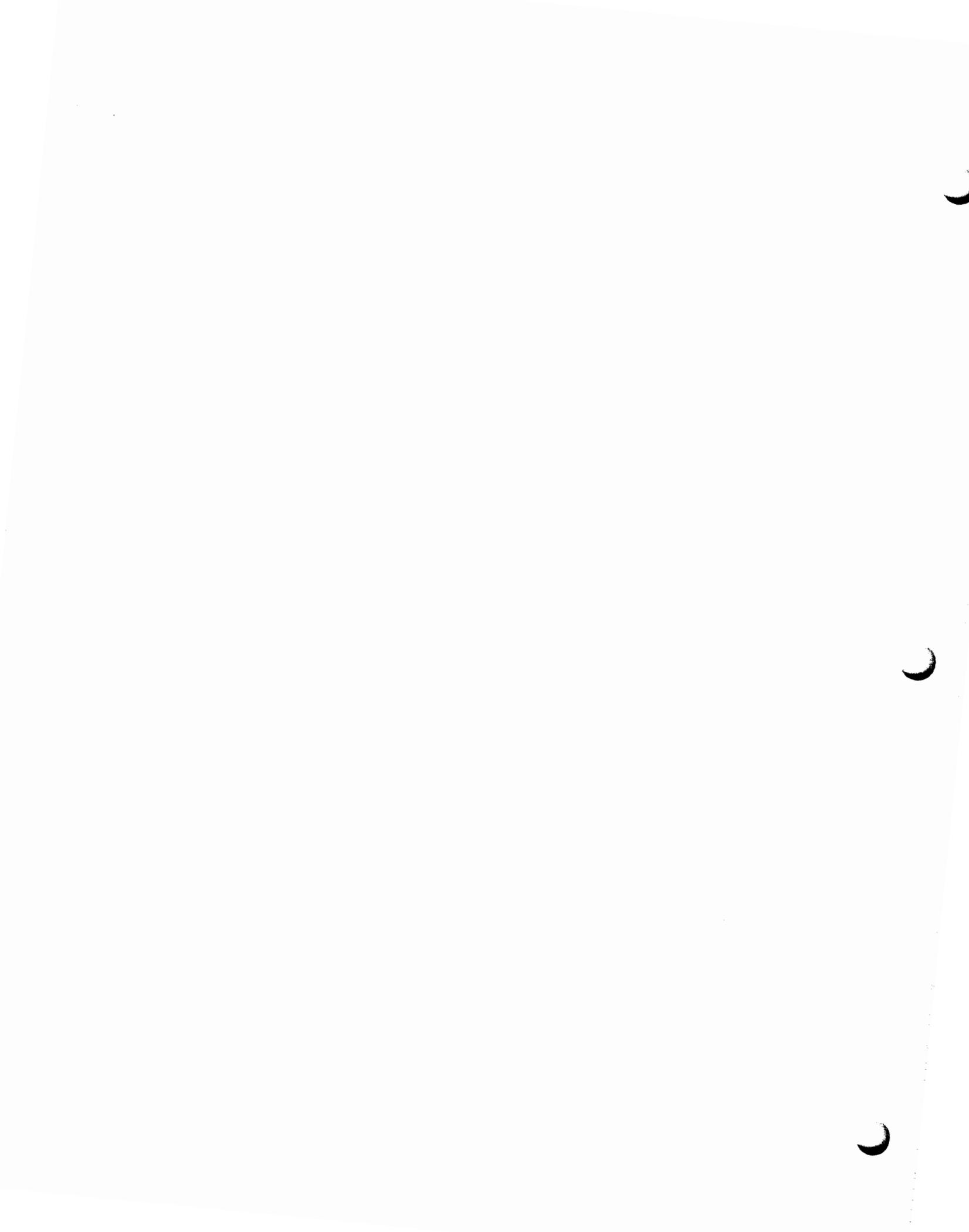
Type	Hours
<b>Spring Semester</b>	
SW 322 - Issues in Policy and Service Delivery	3
SW 304 - Generalist Practice II	3
SW 319 - Human Behavior & the Social Environment	3
Electives	6
<b>Total</b>	<b>15</b>
<b>Total Junior Year</b>	<b>31</b>

Type	Hours
<b>Senior Year</b>	
<b>Fall Semester</b>	
SW 405 - General Practice III	3
SW 470 - Practicum I	6
SW 472 - Practicum Seminar and Lab I	3
Elective	3
<b>Total</b>	<b>15</b>

Type	Hours
<b>Spring Semester</b>	
SW 406 - Generalist Practice IV	3
SW 471 - Practicum II	6

SW 473 - Practicum Seminar and Lab II	3
SW 426 - Introduction to Social Work Research	3
<b>Total</b>	<b>15</b>
<b>Total Senior Year</b>	<b>30</b>
<b>Total Professional Requirements</b>	<b>61</b>
<b>Total BSW degree</b>	<b>121-122</b>

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# Sociology (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Sociology

Major: SOC

Degree: BA

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires (1) completion of Sociology 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 this degree requires: (1) completion of Sociology 303 and Sociology 320 with a grade of C or better; (2) Completion of an online exit exam and submission of the student's research proposal from Sociology 303. The latter pertains to the department's learning outcomes measurement. For more information, contact the department's undergraduate advisor.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Humanities or Natural Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)	9
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	

## Department of Sociology

Type	Hours
Sociology 201 <sup>1</sup> , 301, 303, 320, 323	15

Sociology electives at 300 level or above	6
Sociology electives at 400 level or above	12
Sociology electives at any level	3
<b>Minimum Total</b>	<b>36</b>

### Supporting Courses

(in addition to courses counted toward general education)

Type	Hours
Electives in Social Sciences other than Sociology of which 6 hours must be at 300 level or above	18
<b>Minimum Electives</b>	<b>11</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

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# Sociology (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Sociology

Major: SOC

Degree: BS

Unit: College of Arts and Sciences (AS)

Note: Admission to the major requires (1) completion of Sociology 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 this degree requires: (1) completion of Sociology 303 and Sociology 320 with a grade of C or better; (2) Completion of an online exit exam and submission of the student's research proposal from Sociology 303. The latter pertains to the department's learning outcomes measurement. For more information, contact the department's undergraduate advisor.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Natural Sciences at 300-level or above (in addition to courses counted toward General Education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

## Department of Sociology

Type	Hours
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Sociology 201 <sup>1</sup> , 301, 303, 320, 323	15
Sociology electives at 300 level or above	6
Sociology electives at 400 level or above	12
Sociology 401 or 550	3
Sociology electives at any level	3
<b>Minimum Total</b>	<b>39</b>

### Supporting Courses

Type	Hours
Electives in Division of Social Sciences, other than Sociology, of which 6 hours must be at the 300 level or above (in addition to courses counted toward general education)	24
<b>Minimum Electives</b>	<b>9-11</b>
<b>Minimum Total</b>	<b>121</b>

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.

<sup>1</sup> Fulfills General Education requirement.

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# Sociology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Sociology

Minor: SOC

Degree: BS

Unit: College of Arts and Sciences (AS)

## Department of Sociology

Type	Hours
Sociology 201, 301, 303, 320, 323	15
Sociology electives at any level	3
Sociology electives at 300 level	3
<b>Minimum Total</b>	<b>21</b>

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# Sociology (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Sociology

Minor: SOC

Degree: BS

Unit: College of Arts and Sciences (AS)

## Department of Sociology

Type	Hours
Sociology 201, 301, 303, 320, 323	15
Sociology electives at any level	3
Sociology electives at 300 level	3
<b>Minimum Total</b>	<b>21</b>

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# Spanish (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Spanish

Major: SPAN

Degree: BA

Unit: College of Arts and Sciences (AS)

Department: Classical and Modern Languages

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the intermediate level of a single foreign language)	12
Electives in Natural Sciences or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above) <sup>1</sup>	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Minimum Total</b>	<b>19</b>

## Programs in Spanish

Type	Hours
Spanish 201, 202, 321, 322, 355, 523 <sup>2</sup> , 524 and 590	24

Spanish 401 or 402	3
Spanish 403 or 404	3
Spanish (electives at the 300 level or above)	6
<b>Minimum Total</b>	<b>36</b>

### Supporting Courses

Type	Hours
Humanities 591, 592, 593, 594, 595, or 596	3
Electives in Humanities Division disciplines, other than Spanish, at 300 level or above <sup>3</sup>	6
Anthropology 316, 324, 325, 328, 333, 338; or History 331, 332, 333, 533, 534, 535; or Pan African Studies 329, 360, 396, 505; or Political Science 370, 371 (select one)	3
<b>Minimum Electives</b>	<b>11</b>
<b>Minimum Total</b>	<b>121</b>

No more than 40 hours in Spanish may be applied toward the Bachelor of Arts degree. Spanish 121-123 and 141-142 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.

<sup>1</sup> Note: additional 3 hours of Arts and Sciences programmatic requirement in Natural Sciences or Social Sciences is met in Supporting Courses.

<sup>2</sup> Fulfills WR requirement

<sup>3</sup> Majors in one foreign language may count courses at the 300 level or above in another foreign language toward this requirement.

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# Spanish (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Spanish

Minor: SPAN

Department: Classical and Modern Languages

Unit: College of Arts and Sciences (AS)

## Programs in Spanish

Type	Hours
Spanish 201, 202, 321, 322, 355	15
Spanish 401, 402, 403, 404 (select one)	3
Elective at 300 or 500 level	3
<b>Minimum Total</b>	<b>21</b>

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# Sport Administration (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Sport Administration

Major: SPAD

Degree: BS

Unit: College of Education and Human Development

Department: HSS

A minimum of 123 hours with an overall GPA of 2.25 is required including a minimum of 50 hours at the 300 level. Only one "D" in HSS or SPAD courses is allowed.

Type	Hours
University-wide General Education requirements	34
<b>Program Requirements</b>	
HSS 181 Academic Orientation	1
HSS 101-167 Physical Education Activity Courses	2
HSS 184 Healthy Lifestyles I	3
<b>OR</b>	
HSS 310, Healthy Lifestyles II	6
<b>Core Courses in Sport Administration</b>	
SPAD 381 Principles of Sport Administration	3
SPAD 382 Organizational Behavior in Sport	3
SPAD 383 Sport Marketing	3
SPAD 384 Current Trends and Issues in Sport Administration	3
SPAD 389 Legal Aspects of Sport	3
SPAD 390 Sport Governance	3
SPAD 391 Sport in American Society	3
SPAD 402 Cooperative Internship in Sport Admin	9
SPAD 404 Financial Principles in Sport	3
SPAD 472 The Sport Industry	3
SPAD 505 Sport Facility Management	3
<b>Total</b>	<b>39</b>
<b>Choose 9 hours of SPAD electives:</b>	
SPAD 360 Administration of Intramural Activities	3
SPAD 525 Sport Event Management	3
SPAD 529 American Woman in Sports	3
SPAD 530 Sport promotion and Publicity	3
SPAD 561 Special Topics in Sport Administration	3
HSS 293 Social and Psyc. Aspects of Physical Education	3
(or other classes approved by advisor)	

<b>Total</b>	<b>9</b>
Electives (consult advisor)	<b>35</b>
<b>Minimum Total</b>	<b>123</b>

HSS concentration or an approved minor is highly recommended. Suggested minors include: Marketing, Business Administration, Communications, Exercise Science and Community Health.

Consult advisor for recommended areas.

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# Sport Administration (Minor)

## Minor in Sport Administration

Minor: SPAD

Unit: College of Education and Human Development

Department: Health and Sports Sciences

Type	Hours
SPAD 381 Principles of Sport Administration	3
SPAD 383 Sport Marketing	3
SPAD 384 Current Trends & Issues in Sport Administration	3
SPAD 389 Legal aspects of Sport*	3
	<b>12</b>

### Select 6 Hours from the following:

SPAD 360 Administration of Intramural Activities	3
SPAD 382 Organizational Behavior in Sport	3
SPAD 390 Sport in American Society	3
SPAD 402 Cooperative Internship in SPAD*	3
SPAD 404 Financial Principles in Sport*	3
SPAD 472 the sport Industry*	3
SPAD 505 Sport Facility Management*	3
SPAD 525 Sport Event Management*	3
SPAD 529 American Woman in Sport	3
SPAD 561 Special Topics in SPAD	3
	<b>6</b>
<b>Minimum Total</b>	<b>18</b>

**Note:** A 2.5 gpa is required in the minor. Only one "D" will be accepted in courses for the minor.

To apply for the minor: <http://louisville.edu/education/ssa/online-forms>

\*Please note that these courses have prerequisites which may not be listed in the courses above.

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# Theatre Arts (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Theatre Arts

Major: TA

Degree: BS

Unit: College of Arts and Sciences (AS)

Department: Theater Arts

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
Electives in Humanities or Natural Sciences at the 300-level or above (in addition to courses counted toward general education)	6
WR—two approved courses at the 300 level or above (may be incorporated into other degree requirements)	
<b>Total</b>	<b>13-15</b>

## Department of Theatre Arts

Type	Hours
<b>Academic Core</b>	<b>12</b>
Theatre Arts 360, 361, 362, and 371	
<b>Performance Core</b>	<b>9</b>

Theatre Arts 320 and 321	
Theatre Arts 322, 323, 330, 420, 421, 533 (select 1)	
<b>Production Core</b>	<b>9</b>
Theatre Arts 240 and 241	
Theatre Arts 340/ 345, 349 (select 1)	
Performance/Production Projects: Theatre Arts 350	3
Electives in Theatre Arts	18
<b>African American Theatre Core</b>	<b>9</b>
Theatre Arts 326 and 366	
Theatre Arts 322 or 343 (Select 1)	
<b>Minimum Total</b>	<b>60</b>

**Supporting Courses**

	<b>Type</b>	<b>Hours</b>
Humanities 591, 592, 593, 594, 595, or 596		3
Electives in the Division of Humanities, other than Theatre Arts, at the 300 level or above		9
<b>Minimum Total</b>		<b>121</b>

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.

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# African American Theatre (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in African American Theatre

Minor: AATA

Unit: College of Arts and Sciences (AS)

Departments: Theater Arts and Pan-African Studies

Type	Hours
Theatre Arts 322/Pan-African Studies 353; Theatre Arts 323 (select one)	3
Theatre Arts 326/Pan-African Studies 355	3
Theatre Arts 350	1
Theatre Arts 343; Theatre Arts 363/Pan-African Studies 350; Theater Arts 365/Pan-African Studies 315; Theatre Arts 366/Pan-African Studies 356; Theatre Arts 367/Pan-African Studies 367; Theatre Arts 550 (select four)	12
<b>Minimum Total</b>	<b>19</b>

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# Theatre Arts (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Theatre Arts

Minor: TA

Unit: College of Arts and Sciences (AS)

## Department of Theatre Arts

	Type	Hours
Theatre Arts 240 or 241		3
Theater Arts 320 or 322		3
Theater Arts 326		3
Theater Arts 350		1
Theater Arts 371		3
Two courses from a single one of the following areas:		6
-Acting/Directing (321, 323, 330, 420, 533)		
-Design/Technical Theatre (240, 241, 340, 345, 349, 540, 541, 543, 545, 549)		
-Theatre History/Literature (360, 361, 362, 363, 366, 567, 571)		
-African-American Theatre (322, 323, 343, 363, 366, 367)		
<b>Minimum Total</b>		<b>19</b>

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# Urban and Regional Analysis (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to [Catalog Year Information](#).

## Minor in Urban and Regional Analysis

Minor: U&RA

Unit: College of Arts and Sciences (AS)

Departments: Geography and Geosciences

	<b>Type</b>	<b>Hours</b>
Geography 200, 327, 328		9
Any 4 of Geography 331, 378, 3901, 531, 535, 538, 561, 590 <sup>1</sup>		12
<b>Minimum Total</b>		<b>21</b>

<sup>1</sup> Must be an urban topic.





# Women's and Gender Studies (BA)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Arts in Women's and Gender Studies

Major: WGST

Degree: BA

Unit: College of Arts and Sciences (AS)

Department: Women's and Gender Studies

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

## General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

## Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
9 hours of electives in HUM or NS, 300+ (incorporated into supporting courses requirement)	
Foreign Language	12
WR (incorporated into other degree requirements)	

## Women's and Gender Studies core courses

Type	Hours
Women's and Gender Studies 201 <sup>2</sup>	3
Women's and Gender Studies 401	3
Women's and Gender Studies 500 <sup>3</sup> or 501 <sup>3</sup>	3

## Women's and Gender Studies Humanities electives

Choose 3, of which one must meet the departmental diversity requirement, unless met in your

concentration, and one must be at the 400+ level: Women's and Gender Studies 203<sup>2</sup>, 207\*<sup>2</sup>, 303<sup>2</sup>, 320<sup>2</sup>, 325, 326, 340, 342\*<sup>2,3</sup>, 345\*<sup>2</sup>, 346\*, 360<sup>2</sup>, 373<sup>3</sup>, 380\*<sup>3,2</sup>, 381, 395<sup>2</sup>, 520, 522<sup>3</sup>, 560, 571\*<sup>3</sup>, 582

**Women's and Gender Studies Social Science electives**

Choose 3, of which one must meet the departmental diversity requirement, unless met in your concentration, and one must be at the 400+ level: Women's and Gender Studies 300\*, 312, 313, 324, 331<sup>2</sup>, 332<sup>3</sup>, 333\*<sup>2</sup>, 343\*, 347\*<sup>2</sup>, 348\*<sup>3</sup>, 349\*, 355, 364, 394, 411, 414, 415\*, 512\*, 513, 530, 531<sup>3</sup>, 532<sup>3</sup>, 533<sup>3</sup>, 538, 540\*<sup>3</sup>, 543\*<sup>3</sup>, 556\*<sup>3</sup>, 558\*

**Supporting courses (choose one set)**

- 1. Minor in SSC discipline (18-21 hours) with electives at 300+in HUM or NS (9 hours)
- 2. Minor in NS discipline (18-22 hours) with electives at 300+in SSC or HUM (9 hours) 27-33
- 3. Minor in HUM discipline (18-24 hours) with electives at 300+ in SSC or NS (9 hours)

**Completion of a WGS concentration, in addition to core (choose one)**

- 1. Women's/Gender History : three WGST courses chosen from the following, at least one at the 500-level: 331<sup>2</sup>, 332<sup>3</sup>, 333\*<sup>2</sup>, 513, 530, 531<sup>3</sup>, 532<sup>3</sup>, 533<sup>3</sup>
- 2. Race, Gender, and Global Feminisms: three WGST courses chosen from the following, at least one at the 500-level: 207\*<sup>2</sup>, 300\*, 333\*<sup>2</sup>, 342\*<sup>2,3</sup>, 343\*<sup>3</sup>, 345\*<sup>2</sup>, 346\*, 347\*<sup>2</sup>, 348\*<sup>3</sup>, 349\*, 380\*<sup>2,3</sup>, 512\*, 513, 540\*<sup>3</sup>, 543\*<sup>3</sup>, 558\*, 571\*<sup>3</sup>, 582
- 3. Gender in Literature, Media, and the Arts: three WGST courses chosen from the following, at least one at the 500-level: 320<sup>2</sup>, 324, 325, 326, 342\*<sup>2,3</sup>, 373<sup>3</sup>, 380\*<sup>2,3</sup>, 381, 395<sup>2</sup>, 520, 522<sup>3</sup>, 571\*<sup>3</sup> 9
- 4. Humanities Perspectives on Women/Gender: three WGST courses chosen from the following, at least one at the 500-level: 203<sup>2</sup>, 207\*<sup>2</sup>, 303<sup>2</sup>, 320<sup>2</sup>, 325, 340, 342\*<sup>2,3</sup>, 345\*<sup>2</sup>, 360<sup>2</sup>, 373<sup>3</sup>, 380\*<sup>2,3</sup>, 381, 395, 520, 522<sup>3</sup>, 560, 571\*<sup>3</sup>

Minimum electives 5-11  
**Minimum Total 36**

\*Courses which meet the departmental diversity requirement

<sup>1</sup> Consult your WGS advisor about how topics and independent study courses count in your major (WGST 390, 391, 392<sup>3</sup>, 393<sup>3</sup>, 396, 397<sup>3</sup>, 398, 399<sup>3</sup>, 490, 491, 492<sup>3</sup>, 493<sup>3</sup>, 498<sup>3</sup>, 499<sup>3</sup>, 589, 590, 591, 592<sup>3</sup>, 593, 594<sup>3</sup>).

<sup>2</sup> Fulfills General Education requirement.

<sup>3</sup> Fulfills WR requirement.

# Women's and Gender Studies (BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Bachelor of Science in Women's and Gender Studies

Major: WGST

Degree: BS

Unit: College of Arts and Sciences (AS)

Department: Women's and Gender Studies

Note: Admission to the major requires a minimum cumulative grade point average of 2.0 and a minimum grade point average of 2.0 on courses in the major.

Completion of this degree requires work to be submitted for the department's Learning Outcomes Measurement. For details, contact the department.

### General Education

All degrees require the completion of the University-wide General Education Program; see the General Education requirements and the courses that fulfill them. 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.

Type	Hours
General Education	34
<b>Minimum Total</b>	<b>34</b>

### Arts & Sciences Programmatic Requirements

Type	Hours
General 101: A&S Orientation	1
Foreign Language (completion of the second semester of a single foreign language; hours will vary depending on the language taken)	6-8
9 hours of electives in Humanities or Natural Sciences at the 300 level or above incorporated into supporting courses requirement)	
WR (incorporated into other degree requirements)	
<b>Total</b>	<b>7-9</b>

### Women's and Gender Studies core courses

Type	Hours
Women's and Gender Studies 201 <sup>2</sup>	3
Women's and Gender Studies 401	3

Women's and Gender Studies 500<sup>3</sup> or 501<sup>3</sup> 3

**Women's and Gender Studies Humanities electives**

Choose 3, of which one must meet the departmental diversity requirement, unless met in your concentration, and one must be at the 400+ level: Women's and Gender Studies 203<sup>2</sup>, 207\*<sup>2</sup>, 303<sup>2</sup>, 320<sup>2</sup>, 325, 326, 340, 342\*<sup>2,3</sup>, 345\*<sup>2</sup>, 346\*, 360<sup>2</sup>, 373<sup>3</sup>, 380\*<sup>3,2</sup>, 381, 395<sup>2</sup>, 520, 522<sup>3</sup>, 560, 571\*<sup>3</sup>, 582 9

**Women's and Gender Studies Social Science electives**

Choose 3, of which one must meet the departmental diversity requirement, unless met in your concentration, and one must be at the 400+ level: Women's and Gender Studies 300\*, 312, 313, 324, 331<sup>2</sup>, 332<sup>3</sup>, 333\*<sup>2</sup>, 343\*, 347\*<sup>2</sup>, 348\*<sup>3</sup>, 349\*, 355, 364, 394, 411, 414, 415\*, 512\*, 513, 530, 531<sup>3</sup>, 532<sup>3</sup>, 533<sup>3</sup>, 538, 540\*<sup>3</sup>, 543\*<sup>3</sup>, 556\*<sup>3</sup>, 558\* 9

**Supporting courses** (choose one set)

1. Minor in SSC discipline (18-21 hours) with electives at 300+in HUM or NS (9 hours)
2. Minor in NS discipline (18-22 hours) with electives at 300+in SSC or HUM (9 hours) 27-33
3. Minor in HUM discipline (18-24 hours) with electives at 300+ in SSC or NS (9 hours)

**Statistics, Research Methods, or Logic** (choose one)

MATH 109, JA 326, MGMT 201, PAS 408, POLS 390, PSYC 301 or 302, SOC 301, ANTH 371, PHIL 311 3

**Completion of a WGS concentration, in addition to core** (choose one)

1. Women's/Gender History : four WGST courses chosen from the following, at least one at the 500-level: 331<sup>2</sup>, 332<sup>3</sup>, 333\*<sup>2</sup>, 513, 530, 531<sup>3</sup>, 532<sup>3</sup>, 533<sup>3</sup>
2. Race, Gender, and Global Feminisms: four WGST courses chosen from the following, at least one at the 500-level: 207\*<sup>2</sup>, 300\*, 333\*<sup>2</sup>, 342\*<sup>2,3</sup>, 343\*<sup>3</sup>, 345\*<sup>2</sup>, 346\*, 347\*<sup>2</sup>, 348\*<sup>3</sup>, 349\*, 380\*<sup>2,3</sup>, 512\*, 513, 540\*<sup>3</sup>, 543\*<sup>3</sup>, 558\*, 571\*<sup>3</sup>, 582 12
3. Gender, Health and the Body: four WGST courses chosen from the following, at least one at the 400+-level: 312, 313, 349\*, 364, 411, 415\*, 522<sup>3</sup>, 532<sup>3</sup>, 538, 540\*<sup>3</sup>, 582
4. Gender and Institutions: four WGST courses chosen from the following, at least one at the 400+-level: 313, 324, 332<sup>3</sup>, 340, 345\*<sup>2</sup>, 355, 414, 512\*, 556<sup>3</sup>, 582

Minimum electives 0-6

**Minimum Total 36**

\*Courses which meet the departmental diversity requirement

<sup>1</sup> Consult your WGS advisor about how topics and independent study courses count in your major (WGST 390, 391, 392<sup>3</sup>, 393<sup>3</sup>, 396, 397<sup>3</sup>, 398, 399<sup>3</sup>, 498<sup>3</sup>, 499<sup>3</sup>, 589, 590, 591, 592<sup>3</sup>, 593, 594<sup>3</sup>).

<sup>2</sup> Fulfills general education requirement.

<sup>3</sup> Fulfills WR requirement.

# Women's and Gender Studies (Minor)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

## Minor in Women's and Gender Studies

Minor: WGST

Unit: College of Arts and Sciences (AS)

Department: Women's and Gender Studies

## Women's and Gender Studies core courses

Type	Hours
Women's and Gender Studies 201	3
Electives in Women's and Gender Studies <sup>1</sup>	12
-6 hours must be in Humanities; 6 hours must be in Social Sciences	
Women's and Gender Studies 500	3
<b>Minimum Total</b>	<b>18</b>

<sup>1</sup> Nine hours must be at 300-level or above.

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# Workforce Leadership(BS)

This program was approved for students entering the university in the Fall 2008 - Summer 2009 catalog year. For more information about catalog year, go to Catalog Year Information.

Major: WFL

Degree: BS

Unit: College of Education and Human Development

## Bachelor of Science in Workforce Leadership

A minimum of 123 hours with an overall GPA of 2.25 is required for completion, with 2.50 grade point average required in the major courses. Thirty-four hours of general education credit are required. A minimum of 50 hours of credit at the 300 level or above are required. Prior extensive and documented work experience or technical courses in a training area or occupation is required. Workplace learning is evaluated for up to 48 hours of credit in the Specialization. Students must earn 15 hours of credit in program major courses with a "B" or better average before the specialization credit is granted. Students must apply for the Program Exit Experience one semester in advance of enrollment.

## General Education

Type	Hours
University-wide General Education requirements	34

## Major Core Courses

Type	Hours
ELFH 300 Program Orientation (Complete within first year)	3 <sup>1</sup>
ELFH 312 Designing Learning	3 <sup>1</sup>
ELFH 316 Delivering Learning	3 <sup>1,3</sup>
ELFH 332 Measuring and Evaluating Effectiveness	3 <sup>1,3</sup>
ELFH 341 Planning Facilities and Events	3
ELFH 442 Supporting Organizational Change	3
ELFH 490 Leadership and Management	3
ELFH 540 Program Exit Experience	5 <sup>5</sup>

Students choose one concentration below:

### Major Concentration: Workplace Performance (WPR)

Type	Hours
ELFH 411 Introduction to Human Resource Development and Workplace Performance	3
ELFH 460 Adult Learning and Diversity	3
ELFH 577 Knowledge Management and Information Systems	3

### Major Concentration: Career and Technical Education (CTE)

Only employed vocational educational teachers are eligible for this concentration.

<b>Type</b>	<b>Hours</b>
ELFH 310 Teaching Career and Technical Education	3 <sup>2</sup>
ELFH 330 Special Needs and Technical Education	3
ECPY 512 Learning and Cognition in Education	3

#### **Major Concentration: Executive Development (EXD)**

Only students who have been approved by the faculty coordinator are eligible for this concentration.

<b>Type</b>	<b>Hours</b>
ELFH 596 Seminar: Research 1	3
ELFH 596 Seminar: Research 2	3
ELFH 596 Seminar: Research 3	3

#### **Work Specialization**

<b>Type</b>	<b>Hours</b>
ELFH 290, Occupational Subjects	(2-42) <sup>4</sup>
ELFH 291, Occupational Experience	(2-45) <sup>4</sup>
ELFH 315, Supervised Work Experience Internship	(3-24) <sup>4</sup>
ELFH 390, Advanced Occupational Subjects	(2-18) <sup>4</sup>
ELFH 391, Advanced Occupational Experience	(2-18) <sup>4</sup>
Industry IT Computer Certification	(2-45) <sup>4</sup>
<b>Electives</b>	<b>6</b>

#### **Minimum Total**

**123**

<sup>1</sup> ELFH 300 must be taken prior to or concurrently with ELFH 312 or 316.

<sup>2</sup> The appropriate agency must certify work experience prior to admission.

<sup>3</sup> ELFH 312 is a prerequisite

<sup>4</sup> Requirements for posting the Work Specialization credits: prior extensive documented work learning; completion of an additional 15 hours in the major core courses with a B or better grade point average.

<sup>5</sup> Applications for ELFH 540 must be submitted by mid-term week of the semester prior to enrollment. Prerequisites: ELFH 312, 316, 332 and all but 2 courses in the major core courses must be completed prior to enrollment.