GRADUATE PROGRAMS OF STUDY



The programs listed below are offered at the graduate or professional level. Students interested in bachelor's degree programs should refer to the undergraduate catalog (https://catalog.louisville.edu/undergraduate/programs-study/).

Programs marked with an asterisk (*) are available for completion entirely online (http://louisville.edu/online/programs/) (may not include all concentrations or specialization areas).

Program	MA / MAT or MS	Discipline Doctoral Specific Master's		College or School	Department
Accounta and Analytics	(https://	ncy-	-	College of Business (https:// business.l	Accountancy ouisville.edu/
African American Theatre			catalog.lo graduate/	Sciences I(http:// louisville.e- artsandsc intro/)	2

	Analytics for Engineerir Decision Making		-	-	(https://	uisgilhe e da	ngndustrial	.edu/)
	Anatomica Sciences & Neurobiolo			PhD (https:// catalog.lo graduate/ programs-study/ doctor-philosoph anatomica science-neurobiological philosoph catalogical philosop		(http://	Neurobiolo	
t	Anthropolo	(https://		-	-	Arts & Sciences (http:// louisville.e artsandsc intro/)		ogy
J/	Applied Behavior Analysis	-	-	-	(https:// catalog.lograduate/ programs-	Developm (http:// louisville.e education	Education	
	Applied Philosoph			-	-	Arts & Sciences (https:// louisville.e artsandsc intro/)		,

Art & Art MA MFA History (https:// (https:// catalog.lorcatalog.lo	e/ s-	Arts & Fine Arts Sciences (http:// louisville.e artsandsci intro/)	graduate, programs study/ master- science- bioengine	owiavillegeld / graduate, s-programs study/ master- of- eeringi/)eeri	a watalle ge tuv isville.ed / graduate/ - programs- study/ doctor-of- philosophy-	Engineerin g ioengineering (https:// lu <u>é</u> ngineering.louisville.edu/)
Intelligencenttps:// in catalog.louisville.ed Medicine graduate/	` '	(https:// o uisgiheedo g.louisville.e /	edu/)		in- translational- bioengineering/) ⁵	
programs- study/ master- science- artificial- intelligence- in- medicine/)	programs study/ graduate certificat artifical- intelligen medicine	s- - e- ace- :/)	Bioinform _é -		PhD - (https:// catalog.loi graduate/ programs- study/ doctor-of- philosophy	Graduate Interdisciplinary School Studies (https:// louisville.e graduate/)
Asian Studies	catalog.le graduate	Sciences Studies			in- interdiscip studies- specializat in- bioinforma	
	graduate certificat asian- studies/)	e·	Biology MS (https:// catalog.lo graduate,		PhD - (https:// u¢atalog.louisville.ed graduate/	Arts & Biology Sciences lu(http:// louisville.edu/
Audiology	AuD - (https:// catalog.louisville.ed graduate/ programs-	Medicine Audiology (http:// dulouisville.edu/ medicine/)	programs study/ master- science- biology/)	S-	programs- study/ doctor- philosophy- biology/)	artsandsciences/)
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master- science- biochemis molecular- biology/)	doctor- philosophy biochemis molecular- biology/)		Business - Administration	MBA* (https:// catalog.ld graduate, programs study/ master- business- administr	·	Business (http:// business.louisville.edu/)

Business Analytics	(https:// catalog.loi graduate/ programs- study/ master- science- business- analytics/	-	-		Civil Engineerii lu/)	catalog.lo graduate/	uiatallegelda graduate/ -programs- study/ master- of- engineerir civil/) ³	graduate/ programs- study/ doctor- philosoph	u/isville.edu y-	` '	Givil & Environmental Griguiseeilla gedu/)
Business of Healthcar	e		graduate/ programs- study/ graduate- certificate business- of- healthcare	(https:// ubovihe.scluduisville.e - e/)	Sciences	-	MSc (https:// catalog.lo graduate/ programs study/ master- of- science- in-		graduate/ programs- study/ graduate- certificate clinical- investigati	Health & Informatio Sciences (http://louisville.esphis/)	
Certified School Counselor	r	-	(https:// catalog.lo graduate/	·louisville.e education,		(https:// catalog.lo graduate/ programs study/ master- arts-	-) -			
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Couple & Family Therapy	MS (https://catalog.lograduate/programsstudy/master-science-couple-		-	-	Social Work (https:// louisville.e kent/)	Social Work	Dentistry	MSD - (https:// catalog.louis graduate/ programs- study/ master- science- dentistry/)	(l sville.edu¢ p d	OMD https:// catalog.lo profession lental- pulletin/) ⁷	nal/	Dentistry (https:// I/buisville. dentistry/	edu/	
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Data Science	-	-	-	(https://	(https:// lengineerir	Computer Engineering 1& : Computer Science		n,catalog.louis p gnædy late/ programs-				and Human Developm (https:// louisville. education	edu/	n



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Environmental - Engineering	(https catalo gradu progra study, gradu certifi enviro	ams- / ate-		(https:// catalog.lor graduate/ programs- study/ master- science- applied- geography	-		Arts & Geographic Sciences & (http:// Environmental louisville.e Sciences artsandsc
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Business Managemand Advising	(https catalo gradu progra study, gradu certific family busine mana	:// (http:// g.loibusiness.l ate/ ams- / ate- cate- cate- cess- gemi	Healthca du) Ethics ⁶		·	catalog.lo graduate/	Sciences outstiple://du/ / louisville.edu/ -artsandsciences/ intro/)
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Healthcare Management	Certificate Public (https:// Health & catalog.louis ville.ætlou/ graduate/ Sciences programs-(https:// study/ louis ville.edu/ graduate- sphis/) certificate- healthcare- management/)	Higher MA* Education (https:// and catalog. Student graduate Affairs program study/ master- arts- higher- educatio adminis	loi e/ s- on-	8])	Education Educational A Human Leadership, Developm Evaluation, http:// & ouisville.eOrganizational education, Development
Healthcare Quality and Project Managem	Certificate Public (https:// Health & catalog.louInformatio graduate/ Sciences programs-(https:// study/ louisville.e graduate- sphis/) certificate healthcare quality- project-	History MA (https://	 louisville.edu/ e/ s-	S (Id	Arts & History Sciences http:// ouisville.edu/ artsandsciences/) College Equine
Healthcare Systems Engineering	managem Certificate*Engineerinthdustrial (https:// (https:// catalog.louisville.egraduate/ programs- study/ graduate- certificate- healthcare-	Racing Industry Business		(https:// c catalog.loi graduate/ (programs-b study/ graduate- certificate- horse- racing- industry/)	of Business https://
Health MS* Data (https:// Analytics catalog.lor graduate/ programs- study/ master- science- health- data- analytics/	Informatio& Sciences Systems (https:// Science louisville.e sphis/)	nt Organizati gn aduate Developm e program study/ master- of- science- in- human- resource and-	louisville.edu/ e/ s- s-	8 1) Id	Education Educational Leadership, Developmentaluation http:// & ouisville.edunganizational education/pevelopment
Health MS* Profession https:// Education catalog.louisville.edu/ graduate/ programs- study/ master- science- health- professions- education/)	Certificate Education (https:// & Human catalog.lowswille.pate/ht graduate/ (http:// programs-louisville.edu/ study/ education/) master- science- health- professions- education/)	organiza developi Humanitie MA (https:// catalog. graduate program study/ master- arts- humanit	ment/) - PhD (https:// loi catalog.lo e/ graduate/ s- programs study/ doctor- philosoph) - -	Arts & Humanities Sciences http:// ouisville.e artsandsci

Industrial MS* - and (https:// Systems catalog.louisville.ed Engineeringraduate/ programs- study/ master- of- science- industrial-	PhD - (https:// lucatalog.louisville.ed graduate/ programs- study/ doctor- philosophy- industrial- engineering/)	Engineerintndustrial (https:// Engineering duéngineering.louisville.e	ec		-	-	(https://	business.l		lu/)
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nanomedicine/ #text) Latin American & Latino Studies	catalog.l graduate	Sciences American oı(https:// & Latino e/ louisville.eStudies s-artsandsci	Mechanic Engineeri Medicine	nthttps:// catalog.lc graduate/ programs study/ master- of- science- mechanic engineerii	owiavallegeldo graduate/ -programs- study/ master- of- engineerin- ahechanic	graduate/ -programs- study/ doctor- philosoph ngaechanic	y- al- g/)	Engineering (https:// If uengineering Medicine (https:// Iouisville.e	- Engineerin	g
Law	studies// JD - (https:// catalog.louisville.ed professional/) ⁷	Law (https://	Medieval & Renaissa Studies			profession -	Certificate (https:// catalog.lo graduate/	Sciences outstrible: #du/ / louisville.ed artsandscie	du/	

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Middle Grades Education	immunolo 	immunolo	RANK 1 (https:// catalog.lo graduate/ programs study/ rank-i- program- middle- grades-	Werviellen puth (https:// -louisville.e education	Secondary	Music Education	catalog.lo graduate/ programs study/ master- arts-	MME (https:// lcatalog.lo graduate/ -programs study/ master- music- education	-	-	Education & Human Developm Music	
Middle School Education	MAT - (https:// n catalog.lor graduate/ programs- study/ master- of-arts-in- teaching- in-middle-		education -	Education & Human	Secondary Education	Music History and Literature	-	MM (https:// catalog.lo graduate/ programs study/ master-music-history-literature/	-	- u/	Music (https:// louisville.c music/)	
Alt.	school- education, MAT - (https:// n,catalog.louisville.ed graduate/ ioprograms- study/	- u/			Secondary cutucation	Music Performar	- П	MM (https://catalog.lograduate/programsstudy/mastermusic-performar	-	-	Music (https:// louisville.e music/)	Music
	alternative- route- to-5-9- certification- in-middle- school/)					Music Theory	-	MM (https:// catalog.lo graduate/ programs study/		- u/	Music (https:// louisville.e music/)	Music edu/
Teacher	MAT (https:// n,catalog.lor graduate/ yprograms- study/ master- of-arts-in- teaching- in-middle- school- education- tr/)				Secondary Education			master- music- theory/)				



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		studies- specialization- in- translation neurosciei			Organizat Change in Higher Education		-	(https:// catalog.lo graduate/	Education Educational & Human Leadership, Developm Evaluation, (https://and -louisville.eOrganization
Nursing -	graduate/ programs study/ master- science-	PhD, PhD DNP pt[striple://du// / catalog.louisville - graduate/ programs- study/ doctor-	(https:// louisville.ed	Nursing				study/ graduate- certificate in- organizat change- in-higher- education	education, Developmen
	nursing- clinical- nurse- leader/)	philosophy- nursing/)			Pan- African Studies	MA - (https:// catalog.louisville.ed graduate/		ou iavalle gebb	Sciences African
Nursing - Practice	-	DNP, - PhD-DNP (https:// catalog.loi graduate/ programs- study/ doctor-	Nursing N (https:// louisville.e nursing/)	Nursing	Pharmacc	programs- study/ master- arts-pan- african- studies/)	study/ doctor- philosoph pan- african-	s-programs study/ graduate- nyeertificate pan- african- studies/)	-artsandsciences/)
Nursing - Practice, Specialization in Nurse Anesthesia	-	nursing- practice/) DNP - (https:// catalog.louisville graduate/ programs- study/ doctor- nursing-	School of N Nursing e.edu(https:// louisville.ed nursing/ academics, dnp/)	du/	& Toxicolog	(https:// ycatalog.loi graduate/ programs- study/ master- science- pharmaco toxicology	(https:// catalog.ld graduate, programs study/ doctor- philosoph pharmace toxicolog PhD	/ s- n) o	(https:// & louisville.eToxicology medicine/
Nurse -		nurse- anesthesia/)	cate School of N	Nureina		(https:// catalog.louisville.ed graduate/ programs-	(https:// du¢atalog.lo graduate, programs	/	Sciences Astronomy u(https:// louisville.edu/ artsandsciences/)
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Police Executive Leadership	- Certificate Arts & Criminal (https:// Sciences Justice catalog.loulistible://du/graduate/louisville.edu/programs-artsandsciences/)study/graduate-certificate-police-	Public - Administra	MPA Arts & Urban & Sciences Public (https:// Administration graduate/ programs- study/ master-public-administra
Political MA - Science (https:// catalog.loi graduate/ programs- study/	executive- leadership- development/) Arts & Political Sciences Science (https:// louisville.e artsandsci	Public - Health	MPH Public Public (https:// Health & Health catalog.louisville.edu/ Information graduate/ Sciences programs- (https:// study/ louisville.edu/ master- public- health/)
master- arts- political- science/)		Public - Health Sciences, Epidemiol	- PhD - Public Epidemiology (https:// Health & & catalog.loi Informatio Population graduate/ Sciences Health
Population - Health Management	- Certificate*Public (https:// Health & catalog.louisfuille.ætion/ graduate/ Sciences programs-(https:// study/ louisville.edu/ graduate- sphis/) certificate-		programs- (https:// study/ louisville.e phd-in- sphis/) public- health- sciences- specializal epidemiok
	population- health- management/)	Public - Health Sciences,	- PhD - Public Health (https:// Health & Management catalog.louisville.edu/nformatio&
PsychologMS - Science (https:// catalog.loi graduate/ programs- study/ master- science- psycholog science/)	PhD - Arts & Psychologic (https:// Sciences & Brain catalog.loi (https:// Sciences graduate/ louisville.e programs-study/ doctor-philosophi psycholog experimen	caHealth Management & Policy	graduate/ Sciences Systems programs- (https:// Sciences study/ louisville.edu/ phd-in- sphis/) public- health- sciences- specialization- health- management- policy/)

Public Health Sciences, Health Promotion & Behavioral Sciences	PhD - Public Health (https:// Health & Promotion catalog.loi Informatio& graduate/ Sciences Behavioral programs- study/ louisville.e phd-in- public- health- sciences- specializa' health- promotion	SecondaryMAT Education (https://	RANK 1 Education Middle & (https:// & Human Secondary catalog.lowwidle.path@ducation graduate/ (https:// programs-louisville.edu/ study/ education/) rank-i-program-secondary-education/) ² - Education Middle & & Human Secondary
Public Health Training	- Certificate Public (https:// Health & catalog.louis ville.etion graduate/ Sciences programs-(https:// study/ louis ville.edu/ graduate- sphis/) certificate- public- health- training/)	alt. catalog.loi certificatic graduate/ programs- study/ alternative route- to-8-12- certificatic in- secondary education,	Developm Education (https:// louisville.e education,
Public History Real	- Certificate Arts & History (https:// Sciences catalog.loi(https:// graduate/ louisville.e programs-artsandsci study/ graduate- certificate- public- history/) - Certificate Arts & Urban &	SecondaryMAT Education,(https:// Teacher catalog.louisville.edu/ Residencygraduate/ programs- study/ master- of-arts-in- teaching- in- secondary-	- Education Middle & & Human Secondary Developmenducation (https://louisville.edu/education/)
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Sociology	(https:// catalog.louisville.ed graduate/ programs- study/ master- arts-	graduate/ programs- study/ doctor- philosophy-	Arts & Sociology Sciences edu(https:// louisville.edu/ artsandsciences/)	s e s ii lu b	n- special- education- specializat n- earning- pehavior- disorders/		
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sport- administr Structural - Engineerin	ration/) 	(https://	-	Arts	(https://		1/	Sciences (https:// louisville.ed artsandscie	du/	
Studio - Art & Design (also see Art)	MFA - (https:// catalog.louisville.ed graduate/ programs- study/	certificate in- structural engineerir - u/	-	Translatio:- Bioengine:	-	PhD (https://catalog.lorgraduate/programs-study/doctor-philosophitranslationbioenginee		Engineerir I (https:// engineerin		ering e.edu/)
Sustainab MA & MS	master- fine-arts- studio- art- design/)	-	Graduate Urban &	Transportation Engineering	-	-	Certificate (https://		Environme	
(https:// catalog.lc graduate/ programs study/	oi /		School Public (https:// Affairs louisville.e graduate/)				graduate- certificate- in- transportation- engineering/)			
master- of-arts- master- of- science- in- interdisci studies- concentra in- sustainab	a oi			Urban & - Public Affairs	_	PhD (https:// catalog.lo graduate/ programs-study/ doctor-philosoph urban-public-affairs/)		Arts & U Sciences I (https:// / louisville.e artsandsci		

Urban MUP Arts & Urban & Planning (https:// Sciences Public catalog.louisville.edu/ (https:// Affairs louisville.edu/ graduate/ programsartsandsciences/) study/ masterurbanplanning/)

Women's,	, MA	-	-	Certificate	e Arts &	Women's,
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	arts-			certificate	<u>.</u>	
	womens-			womens-		
	gender-			gender-		
	studies/)			studies/)		

¹ This program is not currently accepting applications for admission.

- Rank 1 programs are not degree programs. Rank 1 programs are recognized only in the state of Kentucky. They are planned graduatelevel programs designed for Kentucky educators seeking rank change for salary purposes.
- Master of Engineering (MEng) programs other than Engineering Management are only available for students who have matriculated through a bachelor degree program at Speed School. Master of Science (MS) programs are for individuals from other institutions or for students with a BS who are returning for a master's degree.
- The EdS (Education Specialist) degree in Educational Administration is a 30 credit hour, post-master's degree program.
- Interdisciplinary program concentration or specialization.
- ⁶ Concentration title was "Bioethics and Medical Humanities" prior to 2019-2020.
- Professional degree program
- Post-graduate certificate. Advanced Practice registered nurses or registered nurses that hold a terminal degree (i.e., PhD, EdD, DNP) are eligible to apply.

Doctor of Audiology - AuD (https://catalog.louisville.edu/graduate/programs-study/doctor-audiology/)

Doctor of Nursing Practice (https://catalog.louisville.edu/graduate/programs-study/doctor-nursing-practice/) - (https://catalog.louisville.edu/graduate/programs-study/doctor-nursing-practice/) DNP (https://catalog.louisville.edu/graduate/programs-study/doctor-nursing-practice/)

Doctor of Nursing Practice, Specialization in Nurse Anesthesia - DNP (https://catalog.louisville.edu/graduate/programs-study/doctor-nursing-practice-nurse-anesthesia/)

Doctor of Education – EdD

• Educational Leadership and Organizational Development

Specialist in Education – EdS

- · Curriculum and Instruction
- · Educational Administration Instructional Leadership

Doctor of Philosophy - PhD

- Anatomical Science and Neurobiology
- Biochemistry and Molecular Genetics
- Biology
- Biostatistics
- · Chemical Engineering
- · Chemistry
- · Civil Engineering
- · Clinical Psychology
- · Computer Science and Engineering
- · Counseling and Personnel Services
- · Criminal Justice
- · Curriculum and Instruction
- · Educational Leadership and Organizational Development
- · Electrical Engineering
- · English Rhetoric and Composition
- · Entrepreneurship
- Experimental Psychology
- Humanities



- · Industrial and Systems Engineering
- · Interdisciplinary Studies
- · Interdisciplinary Studies: Specialization in Bioinformatics
- Interdisciplinary Studies: Specialization in Translational Neuroscience (https://catalog.louisville.edu/graduate/programs-study/doctor-of-philosophy-in-interdisciplinary-studies-specialization-in-translational-neuroscience/)
- Mathematics, Applied and Industrial (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-applied-industrialmathematics/)
- · Mechanical Engineering
- · Microbiology and Immunology
- Nursing
- · Pan-African Studies
- · Pharmacology and Toxicology
- · Physics
- · Physiology
- · Psychology Clinical
- · Psychology Experimental
- · Psychological Science
- Public Health Sciences: Specialization in Epidemiology (https://catalog.louisville.edu/graduate/programs-study/phd-in-public-health-sciences-specialization-epidemiology/)
- Public Health Sciences: Specialization in Health Management and Policy (https://catalog.louisville.edu/graduate/programs-study/phdin-public-health-sciences-specialization-health-management-policy/)
- Public Health Sciences: Specialization in Health Promotion and Behavioral Sciences (https://catalog.louisville.edu/graduate/ programs-study/phd-in-public-health-sciences-specialization-healthpromotion/)
- Social Work (https://catalog.louisville.edu/graduate/programs-study/ doctor-philosophy-social-work/)
- Sociology, Applied (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-applied-sociology/)
- Special Education emphasis, Curriculum and Instruction (https://catalog.louisville.edu/graduate/programs-study/doctor-philosophy-curriculum-instruction/)
- Translational Bioengineering (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-translational-bioengineering/)
- · Urban and Public Affairs

Master of Arts - MA

- · Anthropology
- · Applied Philosophy
- Art (Creative) and Art History
- Communication
- English
- · Higher Education Administration
- History
- Humanities
- · Interdisciplinary Studies
- Interdisciplinary Studies: Concentration in Sustainability (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-master-of-science-in-interdisciplinary-studies-concentration-insustainability/)

- Mathematics
- · Pan-African Studies
- · Political Science
- Sociology
- · Women's, Gender and Sexuality Studies

Master of Arts in Teaching - MAT

- Early Childhood Education (Interdisciplinary)
- Early Childhood Education (Interdisciplinary Teacher Residency)
- · Elementary Education
- · Elementary Education, Teacher Residency
- · Health and Physical Education
- · Middle School Education
- · Middle School Education Alternative Certification (5-9)
- · Middle School Education, Teacher Residency
- · Music Education
- · Secondary Education
- Secondary Education Alternative Certification (8-12)
- · Secondary Education, Teacher Residency
- Special Education, Concentration in Learning Behavior Disorders (P-12)
- Special Education, Concentration in Learning Behavior Disorders (P-12) - Alternative Certification
- Special Education, Concentration in Learning Behavior Disorders P-12) - Teacher Residency
- Special Education, Concentration in Moderate/Severe Disabilities (P-12)
- Special Education, Concentration in Moderate/Severe Disabilities (P-12) - Alternative Certification
- Special Education, Concentration in Moderate/Severe Disabilities (P-12) - Teacher Residency (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-special-education-specialization-in-moderate-severe-disabilities-tr/)

Master of Business Administration - MBA

Master of Education - MEd

- · Counseling and Personnel Services
- · Special Education
- · Special Education (Non-Teaching)
- · Special Education Concentration in Applied Behavior Analysis
- · Teaching and Learning

Master of Engineering - MEng

- Bioengineering (https://catalog.louisville.edu/graduate/programsstudy/master-of-engineering-bioengineering/)
- Chemical Engineering (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-chemical/)
- Civil Engineering (https://catalog.louisville.edu/graduate/programsstudy/master-of-engineering-civil/)



- Computer Science and Engineering (https://catalog.louisville.edu/ graduate/programs-study/master-of-engineering-computerengineering-computer-science/)
- Electrical Engineering (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-electrical/)
- Engineering Management (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-management/)
- Mechanical Engineering (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-mechanical/)

Master of Fine Arts – MFA

- · Studio Art and Design
- · Theatre Arts

Master of Music - MM

- · Music Composition
- · Music History and Literature
- · Music Performance
- · Music Theory

Master of Music Education in Music Education – MME (https:// catalog.louisville.edu/graduate/programsstudy/master-music-education/)

Master of Public Administration - MPA

Master of Public Health - MPH

Master of Science - MS

- Accountancy and Analytics (https://catalog.louisville.edu/graduate/ programs-study/master-accountancy-and-analytics/)
- · Anatomical Science and Neurobiology
- · Artificial Intelligence in Medicine
- · Biochemistry and Molecular Genetics
- Bioengineering (https://catalog.louisville.edu/graduate/programsstudy/master-science-bioengineering/)
- Biology
- Biostatistics
- · Business Analytics
- · Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science (https://catalog.louisville.edu/graduate/programsstudy/master-of-science-computer-science/)
- Couple and Family Therapy
- · Criminal Justice
- · Electrical Engineering
- · Epidemiology
- · Exercise Physiology

- Geography, Applied (https://catalog.louisville.edu/graduate/ programs-study/master-science-applied-geography/)
- · Health Administration
- · Health Data Analytics
- · Health Professions Education
- · Human Resources and Organization Development
- · Industrial and Systems Engineering
- · Interdisciplinary Studies
- Interdisciplinary Studies: Concentration in Sustainability (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-master-of-science-in-interdisciplinary-studies-concentration-in-sustainability/)
- Interdisciplinary Studies: Concentration in Nanomedicine (https://catalog.louisville.edu/graduate/programs-study/20master-of-science-in-interdisciplinary-studies-concentration-in-nanomedicine/#text)
- Materials and Energy Science and Engineering (https:// catalog.louisville.edu/graduate/programs-study/master-sciencematerials-energy-science-engineering/)
- Mechanical Engineering
- Microbiology and Immunology
- Oral Biology
- · Pharmacology and Toxicology
- · Psychological Science
- · Physics
- · Physiology
- · Speech-Language Pathology
- · Sport Administration

Master of Science in Clinical Investigation Sciences – MSc

Master of Science in Dentistry – MSD

Master of Science in Nursing – MSN

Master of Science in Social Work - MSSW

Master of Urban Planning – MUP (https://catalog.louisville.edu/graduate/programs-study/master-urban-planning/)

Graduate Certificates - CERT

 Analytics for Engineering Decision Making (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificateanalytics-engr-decision-making/)



- Artificial Intelligence in Medicine (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-artifical-intelligencemedicine/)
- African-American Theatre (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-african-american-theatre/)
- Applied Behavior Analysis (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-autism-and-applied-behavioranalysis/)
- Asian Studies (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-asian-studies/)
- · Biostatistics
- · Business of Healthcare
- Clinical Investigative Sciences (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-clinical-investigationsciences/)
- Cybersecurity (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-network-information-security/)
- Data Science (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-data-mining/)
- Distilled Spirits Business (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-distilled-spirits/#text)
- Diversity Literacy (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-diversity-literacy/)
- Environmental Engineering (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-environmental-engineering/)
- Family Business Management and Advising (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatefamily-business-management/)
- Franchise Management (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-franchising/#tex)
- Health Professions Education (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-in-health-professionseducation/)
- Healthcare Ethics (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-health-care-ethics/)
- Healthcare Financial Management (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-healthcare-financialmanagement/)
- Healthcare Management (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-healthcare-management/)
- Healthcare Quality and Project Management (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatehealthcare-quality-project-management/)
- Healthcare Systems Engineering (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-healthcare-systemsengineering/)
- Horse Racing Industry Business (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-horse-racingindustry/)
- Latin American and Latino Studies (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-latin-american-latinostudies/)
- Managerial Analytics (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-managerial-analytics/)
- Medieval and Renaissance Studies (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-medieval-renaissancestudies/)

- Organizational Change in Higher Education (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatein-organizational-change-in-higher-education/)
- Pan-African Studies (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-pan-african-studies/)
- Police Executive Leadership Development (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatepolice-executive-leadership-development/)
- Population Health Management (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-population-healthmanagement/)
- Public Health Training (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-public-health-training/)
- Public History (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-public-history/)
- Real Estate Development (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-real-estate-development/)
- · Six Sigma (https://engineering.louisville.edu/)
- Structural Engineering (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-in-structural-engineering/)
- Teaching English as a Foreign Language (TEIL) (https://louisvillecurr.courseleaf.com/graduate/programs-study/graduate-certificateteaching-english-intl-language/)
- Transportation Engineering (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-in-transportation-engineering/)
- Women's, Gender and Sexuality Studies (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatewomens-gender-studies/)

Programs for Certified Teachers (Rank 1)

- Certified School Counselors (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-certified-school-counselor/)
- Elementary Education (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-elementary-education/)
- Middle Grades Education (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-middle-grades-education/)
- Secondary Education (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-secondary-education/)
- School Social Work (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-school-social-work/)
- Special Education Advanced Practitioner (P-12) (https://catalog.louisville.edu/graduate/programs-study/rank1-program-in-special-education-advanced-practitioner/)

Endorsements for Certified Teachers

- Elementary Mathematics Specialist (P-5) (http://louisville.edu/ education/degrees/endorsements/)
- Gifted and Talented Education (P-12) (http://louisville.edu/education/ degrees/endorsements/)
- Instructional Computer Technology (P-12) (http://louisville.edu/ education/degrees/endorsements/)
- Teacher Leadership (P-12) (http://louisville.edu/education/degrees/ endorsements/)
- Teaching Classroom Reading (P-12) (http://louisville.edu/education/ degrees/endorsements/)



- Teaching English as a Second Language (P-12) (http://louisville.edu/ education/degrees/endorsements/)
- Literacy Specialist (P-12) (http://louisville.edu/education/degrees/ endorsements/)

College of Arts and Sciences

Α

- African American Theatre (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-african-americantheatre/)
- Anthropology (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-anthropology/)
- Applied Philosophy (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-applied-philosophy/)
- Art (Creative) and Art History (MA) (https://catalog.louisville.edu/ graduate/programs-study/master-arts-art-creative-art-history/)
- Asian Studies (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-asian-studies/)

B

- Biology (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-biology/)
- Biology (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-biology/)

C

- Chemistry (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-chemistry/)
- Chemistry (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-chemistry/)
- Clinical Psychological Science (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-psychology-clinical/)
- Communication (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-communication/)
- Criminal Justice (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-criminal-justice/)
- Criminal Justice (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-criminal-justice/)

U

 Diversity Literacy (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-diversity-literacy/)

Ε

- English (MA) (https://catalog.louisville.edu/graduate/programsstudy/master-arts-english/)
- English Rhetoric and Composition (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophyenglish-rhetoric-composition/)

G

 Geography, Applied (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-applied-geography/)

H

 Healthcare Ethics (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-health-care-ethics/)

- History (MA) (https://catalog.louisville.edu/graduate/programsstudy/master-arts-history/)
- Humanities (MA) (https://catalog.louisville.edu/graduate/programsstudy/master-arts-humanities/)
- Humanities (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-humanities/)

L

 Latin American and Latino Studies (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatelatin-american-latino-studies/)

M

- Mathematics (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-mathematics/)
- Mathematics, Applied and Industrial (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophyapplied-industrial-mathematics/)
- Medieval and Renaissance Studies (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatemedieval-renaissance-studies/)

P

- Pan-African Studies (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-pan-african-studies/)
- Pan-African Studies (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-pan-african-studies/)
- Pan-African Studies (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-pan-african-studies/)
- Physics (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-physics/)
- Physics (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-physics/)
- Police Executive Leadership Development (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduate-certificate-police-executive-leadership-development/)
- Political Science (MA) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-political-science/)
- Psychological Science (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-psychological-science/)
- Psychological Science (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-psychology-experimental/)
- Public Administration (MPA) (https://catalog.louisville.edu/graduate/ programs-study/master-public-administration/)
- Public History (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-public-history/)

R

 Real Estate Development (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-real-estatedevelopment/)

S

- Sociology (MA) (https://catalog.louisville.edu/graduate/programsstudy/master-arts-sociology/)
- Sociology, Applied (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-applied-sociology/)



 Studio Art and Design (MFA) (https://catalog.louisville.edu/graduate/ programs-study/master-fine-arts-studio-art-design/)

Т

 Theatre Arts (MFA) (https://catalog.louisville.edu/graduate/ programs-study/master-fine-arts-theatre-arts/)

U

- Urban and Public Affairs (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-urban-public-affairs/)
- Urban Planning (MUP) (https://catalog.louisville.edu/graduate/ programs-study/master-urban-planning/)

W

- Women's, Gender and Sexuality Studies (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatewomens-gender-studies/)
- Women's, Gender and Sexuality Studies (MA) (https:// catalog.louisville.edu/graduate/programs-study/master-artswomens-gender-studies/)

College of Business

- Accountancy and Analytics (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-accountancy-and-analytics/)
- Business Administration (MBA) (https://catalog.louisville.edu/ graduate/programs-study/master-business-administration/)
- Business Analytics (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-business-analytics/)
- Business of Healthcare (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-business-ofhealthcare/)
- Distilled Spirits Business (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-distilled-spirits/)
- Entrepreneurship (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-entrepreneurship/)
- Family Business Management and Advising (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduate-certificate-family-business-management/)
- Franchise Management (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-franchising/)
- Horse Racing Industry Business (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatehorse-racing-industry/)
- Managerial Analytics (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-managerial-analytics/)

School of Dentistry

- Dentistry (MSD) (https://catalog.louisville.edu/graduate/programsstudy/master-science-dentistry/)
- Oral Biology (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-oral-biology/)

College of Education and Human Development

Α

 Applied Behavior Analysis (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-autism-and-appliedbehavior-analysis/)

C

- Certified School Counselor (RANK1) (https://catalog.louisville.edu/ graduate/programs-study/rank-i-program-certified-school-counselor/)
- Counseling and Personnel Services (MEd) (https:// catalog.louisville.edu/graduate/programs-study/master-of-educationin-counseling-and-personnel-services/)
- Counseling and Personnel Services (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-ofphilosophy-of-education-counseling-and-personnel-services/)
- Curriculum and Instruction (EdS) (https://catalog.louisville.edu/ graduate/programs-study/specialist-in-education-in-curriculum-andinstruction/)
- Curriculum and Instruction (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-curriculum-instruction/)

Ε

- Early Childhood Education, Interdisciplinary Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/programsstudy/master-of-arts-in-teaching-in-early-elementary-educationinterdisciplinary-tr/)
- Educational Administration (EdS) (https://catalog.louisville.edu/ graduate/programs-study/specialist-in-education-in-educationaladministration/)
- Educational Administration (Rank 1) (https://catalog.louisville.edu/ graduate/programs-study/rank-i-specialist-in-education-ineducational-administration/)
- Educational Leadership and Organizational Development (EdD) (https://catalog.louisville.edu/graduate/programs-study/doctorof-education-in-educational-leadership-and-organizationaldevelopment/)
- Educational Leadership and Organizational Development (PhD) (https://catalog.louisville.edu/graduate/programs-study/doctorof-philosophy-in-educational-leadership-and-organizationaldevelopment/)
- Elementary Education (MAT) (https://catalog.louisville.edu/graduate/ programs-study/master-of-arts-in-teaching-in-early-elementaryeducation-p-5/)
- Elementary Education (RANK1) (https://catalog.louisville.edu/ graduate/programs-study/rank-i-program-elementary-education/)
- Elementary Education Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-inteaching-in-early-elementary-education-tr/)
- Elementary Education, Alternative Certification (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-teaching-in-early-elementary-education-altcert/)
- Exercise Physiology (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-exercise-physiology/)



Н

- Health and Physical Education (MAT) (https://catalog.louisville.edu/ graduate/programs-study/master-of-arts-in-teaching-health-andphysical-education/)
- Higher Education and Student Affairs (MA) (https:// catalog.louisville.edu/graduate/programs-study/master-arts-highereducation-administration/)
- Human Resources and Organization Development (MS) (https:// catalog.louisville.edu/graduate/programs-study/master-of-science-inhuman-resources-and-organization-development/)

- Interdisciplinary Early Childhood Education (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-inteaching-in-interdisciplinary-early-childhood-education/)
- Interdisciplinary Early Childhood Education, Alternative Certification (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-interdisciplinary-early-childhood-education-altcert/)

M

- Middle Grades Education (RANK1) (https://catalog.louisville.edu/ graduate/programs-study/rank-i-program-middle-grades-education/)
- Middle School Education (MAT) (https://catalog.louisville.edu/ graduate/programs-study/master-of-arts-in-teaching-in-middleschool-education/)
- Middle School Education Alternative Certification 5-9 (MAT) (https://catalog.louisville.edu/graduate/programs-study/alternative-route-to-5-9-certification-in-middle-school/)
- Middle School Education, Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-inteaching-in-middle-school-education-tr/)
- Music Education (MAT) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-teaching-music-education/)

0

Organizational Change in Higher Education (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduate-certificate-in-organizational-change-in-higher-education/)

S

- School Social Work (RANK1) (https://catalog.louisville.edu/graduate/ programs-study/rank-i-program-school-social-work/)
- Secondary Education (MAT) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-teaching-secondary-education/)
- Secondary Education (RANK1) (https://catalog.louisville.edu/ graduate/programs-study/rank-i-program-secondary-education/)
- Secondary Education Alternative Certification 8-12 (MAT) (https://catalog.louisville.edu/graduate/programs-study/alternative-route-to-8-12-certification-in-secondary-education/)
- Secondary Education Teacher Residency (MAT) (https:// catalog.louisville.edu/graduate/programs-study/master-of-arts-inteaching-in-secondary-education-tr/)
- Special Education (MEd) (https://catalog.louisville.edu/graduate/ programs-study/master-of-education-in-special-education/)
- Special Education Advanced Practitioner P-12 (RANK1) (https://catalog.louisville.edu/graduate/programs-study/rank1-program-in-special-education-advanced-practitioner/)

- Special Education Concentration in Learning Behavior Disorders -Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/ programs-study/master-of-arts-in-teaching-in-special-educationspecialization-in-learning-behavior-disorders-tr/)
- Special Education Concentration in Moderate and Severe Disabilities
 Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-special-education-specialization-in-moderate-severe-disabilities-tr/)
- Special Education, Concentration in Applied Behavior Analysis (MED) (https://catalog.louisville.edu/graduate/programs-study/master-education-special-education-concentration-in-autism/)
- Special Education, Concentration in Learning Behavior Disorders
 P-12 (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-special-education-specialization-in-learning-behavior-disorders/)
- Special Education, Concentration in Learning Behavior Disorders P-12, Alternative Certification (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-teaching-in-specialeducation-specialization-in-lbd-altcert/)
- Special Education, Concentration in Moderate/Severe Disabilities
 P-12 (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-special-education-specialization-in-moderate-severe-disabilities-p-12/)
- Special Education, Concentration in Moderate/Severe Disabilities P-12, Alternative Certification (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-of-arts-in-teaching-in-special-education-MSD-altcert/)
- Special Education, Non-Teaching (MEd) (https:// catalog.louisville.edu/graduate/programs-study/master-educationspecial-education/)
- Sport Administration (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-sport-administration/)

T

- Teaching and Learning (LEADMEd) (https://catalog.louisville.edu/ graduate/programs-study/master-education-teacher-leadership/)
- Teaching English as an International Language TEIL (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduate-certificate-teaching-english-intl-language/)

Graduate School

- Interdisciplinary Studies (MA) (https://catalog.louisville.edu/ graduate/programs-study/master-arts-interdisciplinary-studies/)
- Interdisciplinary Studies (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-interdisciplinary-studies/)
- Interdisciplinary Studies (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-interdisciplinarystudies/)
- Interdisciplinary Studies: Concentration in Nanomedicine (MS) (https://catalog.louisville.edu/graduate/programsstudy/20master-of-science-in-interdisciplinary-studies-concentrationin-nanomedicine/)
- Interdisciplinary Studies: Concentration in Sustainability (MA/MS) (https://catalog.louisville.edu/graduate/programs-study/master-ofarts-master-of-science-in-interdisciplinary-studies-concentration-insustainability/)
- Interdisciplinary Studies: Specialization in Bioinformatics (PhD) (https://catalog.louisville.edu/graduate/programs-study/doctor-



- of-philosophy-in-interdisciplinary-studies-specialization-in-bioinformatics/)
- Interdisciplinary Studies: Specialization in Translational Neuroscience (PhD) (https://catalog.louisville.edu/graduate/programs-study/ doctor-of-philosophy-in-interdisciplinary-studies-specialization-intranslational-neuroscience/)

Kent School of Social Work and Family Science

- Couple and Family Therapy (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-couple-family-therapy/)
- Doctor of Social Work (DSW) (https://catalog.louisville.edu/graduate/ programs-study/doctor-social-work/)
- Social Work (MSSW) (https://catalog.louisville.edu/graduate/ programs-study/master-science-social-work/)
- Social Work (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-social-work/)

School of Medicine

- Anatomical Sciences and Neurobiology (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophyanatomical-science-neurobiology/)
- Anatomical Sciences and Neurobiology (MS) (https:// catalog.louisville.edu/graduate/programs-study/master-scienceanatomical-science-neurobiology/)
- Audiology (AuD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-audiology/)
- Biochemistry and Molecular Genetics (MS) (https:// catalog.louisville.edu/graduate/programs-study/master-sciencebiochemistry-molecular-biology/)
- Biochemistry and Molecular Genetics (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophybiochemistry-molecular-biology/)
- Health Professions Education (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-in-health-professionseducation/)
- Health Professions Education (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-health-professionseducation/)
- Microbiology and Immunology (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-microbiologyimmunology/)
- Microbiology and Immunology (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-microbiologyimmunology/)
- Pharmacology and Toxicology (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-pharmacology-toxicology/)
- Pharmacology and Toxicology (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-pharmacologytoxicology/)
- Physiology (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-physiology-biophysics/)
- Physiology (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-physiology-biophysics/)
- Speech-Language Pathology (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-communicative-disorders/)

School of Music

- Music Composition (MM) (https://catalog.louisville.edu/graduate/ programs-study/master-music-composition/)
- Music Education (MAT) (https://catalog.louisville.edu/graduate/ programs-study/master-arts-teaching-music-education/)
- Music Education (MME) (https://catalog.louisville.edu/graduate/ programs-study/master-music-education/)
- Music History and Literature (MM) (https://catalog.louisville.edu/ graduate/programs-study/master-music-history-literature/)
- Music Performance (MM) (https://catalog.louisville.edu/graduate/ programs-study/master-music-performance/)
- Music Theory (MM) (https://catalog.louisville.edu/graduate/ programs-study/master-music-theory/)

School of Nursing

- Nurse Practitioner APRN (Post-Graduate Certificate) (https://catalog.louisville.edu/graduate/programs-study/post-graduate-certificate-nurse-practitioner-aprn/)
- Nursing (MSN) (https://catalog.louisville.edu/graduate/programsstudy/master-science-nursing/)
- Nursing (PhD) (https://catalog.louisville.edu/graduate/programsstudy/doctor-philosophy-nursing/)
- Nursing Leadership (MSN) (https://catalog.louisville.edu/graduate/ programs-study/master-science-nursing-clinical-nurse-leader/)
- Nursing Practice (DNP) (https://catalog.louisville.edu/graduate/ programs-study/doctor-nursing-practice/)
- Nursing Practice, Specialization in Nurse Anesthesia (DNP) (https://catalog.louisville.edu/graduate/programs-study/doctor-nursing-practice-nurse-anesthesia/)

School of Public Health and Information Sciences

- Biostatistics (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-biostat/)
- Biostatistics (MS) (https://catalog.louisville.edu/graduate/programsstudy/master-science-biostatistics/)
- Biostatistics (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-biostatistics/)
- Clinical Investigation Sciences (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-clinical-investigationsciences/)
- Clinical Investigation Sciences (MSc) (https://catalog.louisville.edu/ graduate/programs-study/master-of-science-in-clinical-investigationsciences/)
- Epidemiology (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-epidemiology/)
- Health Administration (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-health-admin/)
- Health Data Analytics (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-health-data-analytics/)
- Healthcare Financial Management (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatehealthcare-financial-management/)



- Healthcare Management (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-healthcaremanagement/)
- Healthcare Quality and Project Management (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatehealthcare-quality-project-management/)
- Population Health Management (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatepopulation-health-management/)
- Public Health (MPH) (https://catalog.louisville.edu/graduate/ programs-study/master-public-health/)
- Public Health Sciences: Specialization in Epidemiology (PhD) (https://catalog.louisville.edu/graduate/programs-study/phd-in-public-health-sciences-specialization-epidemiology/)
- Public Health Sciences: Specialization in Health Management and Policy (PhD) (https://catalog.louisville.edu/graduate/programsstudy/phd-in-public-health-sciences-specialization-healthmanagement-policy/)
- Public Health Sciences: Specialization in Health Promotion and Behavioral Sciences (PhD) (https://catalog.louisville.edu/graduate/ programs-study/phd-in-public-health-sciences-specialization-healthpromotion/)
- Public Health Training (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-public-health-training/)

J.B. Speed School of Engineering

A

- Analytics for Engineering Decision Making (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduate-certificate-analytics-engr-decision-making/)
- Artificial Intelligence in Medicine (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificateartifical-intelligence-medicine/)
- Artificial Intelligence in Medicine (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-artificial-intelligence-inmedicine/)

B

- Bioengineering (MEng) (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-bioengineering/)
- Bioengineering (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-bioengineering/)

C

- Chemical Engineering (MEng) (https://catalog.louisville.edu/ graduate/programs-study/master-of-engineering-chemical/)
- Chemical Engineering (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-of-science-chemical-engineering/)
- Chemical Engineering (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-chemical-engineering/)
- Civil Engineering (MEng) (https://catalog.louisville.edu/graduate/ programs-study/master-of-engineering-civil/)
- Civil Engineering (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-of-science-civil-engineering/)
- Civil Engineering (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-civil-engineering/)

- Computer Science (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-of-science-computer-science/)
- Computer Science and Engineering (MEng) (https:// catalog.louisville.edu/graduate/programs-study/master-ofengineering-computer-engineering-computer-science/)
- Computer Science and Engineering (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophycomputer-science-engineering/)
- Cybersecurity (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-network-information-security/)

D

 Data Science (CERT) (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-data-mining/)

Ε

- Electrical Engineering (MEng) (https://catalog.louisville.edu/ graduate/programs-study/master-of-engineering-electrical/)
- Electrical Engineering (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-of-science-electrical-engineering/)
- Electrical Engineering (PhD) (https://catalog.louisville.edu/graduate/ programs-study/doctor-philosophy-electrical-engineering/)
- Engineering Logistics (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-engineering-logistics/)
- Engineering Management (MEng) (https://catalog.louisville.edu/ graduate/programs-study/master-of-engineering-management/)
- Environmental Engineering (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-environmentalengineering/)

Н

 Healthcare Systems Engineering (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatehealthcare-systems-engineering/)

I

- Industrial and Systems Engineering (MS) (https:// catalog.louisville.edu/graduate/programs-study/master-of-scienceindustrial-engineering/)
- Industrial and Systems Engineering (PhD) (https:// catalog.louisville.edu/graduate/programs-study/doctor-philosophyindustrial-engineering/)

M

- Materials and Energy Science and Engineering (MS) (https://catalog.louisville.edu/graduate/programs-study/master-science-materials-energy-science-engineering/)
- Mechanical Engineering (MEng) (https://catalog.louisville.edu/ graduate/programs-study/master-of-engineering-mechanical/)
- Mechanical Engineering (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-of-science-mechanicalengineering/)
- Mechanical Engineering (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-mechanicalengineering/)

S

Six Sigma (CERT) (https://catalog.louisville.edu/graduate/programsstudy/graduate-certificate-six-sigma-black-belt/)



 Structural Engineering (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-in-structuralengineering/)

Т

- Translational Bioengineering (PhD) (https://catalog.louisville.edu/ graduate/programs-study/doctor-philosophy-translationalbioengineering/)
- Transportation Engineering (CERT) (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-in-transportationengineering/)

Dual Degree Programs

A dual degree program is a formalized path of study that allows a student to pursue two different degrees at the same time, either at the same institution or at different institutions, and possibly complete them in less time than it would take to earn them separately. The two degrees may be in the same subject or in two different subjects; they may be at the same level (e.g., master's-master's) or at two different levels (e.g., doctoral-master's). Students must meet the admission requirements for both degree programs. Other limitations or requirements may apply, depending on the program.

Dual degree programs allow students to earn two master's degrees in cases where there is synergy between the two programs. Course work which is common to both degree programs, or courses which provide similar learning outcomes, may be proposed to count for both degrees with justification of the overlap in learning outcomes of the courses. A dual-degree program that pairs two 30-hour programs may apply nine (9) credit hours of overlapping course work toward each degree, for a total of 51 combined credit hours. A variance may be requested to apply additional coursework for dual-degree programs with higher total credit hours.

Interested individuals may click on the links below for additional information.

Dual Dentistry-Graduate Degree Programs

- Combined Doctor of Dental Medicine and Master of Business Administration (DMD/MBA) (https://business.louisville.edu/ academics-programs/graduate-programs/dualmba/)
- Combined Doctor of Dental Medicine and Master of Science in Oral Biology (DMD/MS) (http://louisville.edu/dentistry/degrees/ oralbiology/dmd-msob/)
- Combined Doctor of Dental Medicine and Doctor of Philosophy (DMD/ PhD) (http://louisville.edu/dentistry/degrees/oralbiology/dmd-phd/)

Dual Law-Graduate Degree Programs

- Combined Juris Doctor and Master of Arts in Humanities (JD/MA) (https://louisville.edu/law/academics/degree-programs/dual-degree-programs/)
- Combined Juris Doctor and Master of Arts in Political Science (JD/ MA) (https://louisville.edu/law/academics/degree-programs/dualdegree-programs/)
- Combined Juris Doctor and Master of Business Administration (JD/ MBA) (https://louisville.edu/law/academics/degree-programs/dualdegree-programs/)
- Combined Juris Doctor and Master of Public Administration (JD/ MPA) (https://louisville.edu/law/academics/degree-programs/dualdegree-programs/)

- Combined Juris Doctor and Master of Science in Social Work (JD/ MSSW) (https://louisville.edu/law/academics/degree-programs/dualdegree-programs/)
- Combined Juris Doctor and Master Urban Planning (JD/MUP) (https://louisville.edu/law/academics/degree-programs/dual-degree-programs/)

Dual Medicine-Graduate Degree Programs

- Combined Doctor of Medicine and Master of Business Administration (MD/MBA) (http://louisville.edu/medschool/dualdegree/MBA/)
- Combined Doctor of Medicine and Doctor of Philosophy (MD/PhD) (http://louisville.edu/medschool/dualdegree/PhD/)

Dual Graduate-Graduate Degree Programs

- Combined Doctor of Audiology and Master of Business Administration (Aud.D/MBA) (https://business.louisville.edu/academics-programs/graduate-programs/dualmba/)
- Combined Doctor of Philosophy in Applied and Industrial Mathematics and Master of Science in Biostatistics (PhD/ MS) (https://louisville.edu/sphis/departments/bioinformaticsbiostatistics/academics/dualdegree/)
- Combined Master of Arts in Pan-African Studies and Master of Science in Social Work (MA/MSSW) (https://louisville.edu/kent/ academics/mssw-curriculum/)
- Combined Master of Science in Couple and Family Therapy and Master of Science in Social Work (MS/MSSW) (https://louisville.edu/kent/academics/couple-and-family-therapy/)
- Combined Master of Public Administration/Master of Arts (Curatorial Studies) (MPA/MA) (http://louisville.edu/upa/programs/mpa/mpa-ma/)
- Combined Master of Arts in Women's, Gender and Sexuality Studies and Master of Science in Social Work (MA/MSSW) (http://louisville.edu/wgs/graduate-studies/m-a-msw.html)
- Combined Master of Business Administration and Master of Arts in Humanities - Concentration in Public Humanities (MBA/MA) (https://business.louisville.edu/academics-programs/graduate-programs/dualmba/)
- Combined Master of Business Administration and Master of Divinity (MBA/MDiv) (https://business.louisville.edu/academics-programs/ graduate-programs/dualmba/) with Louisville Presbyterian Theological Seminary
- Combined Master of Business Administration and Master of Engineering (MBA/MEng) (https://business.louisville.edu/academicsprograms/graduate-programs/dualmba/)
- Combined Master of Business Administration and Master of Science in Health Administration (MBA/MSHA) (https://louisville.edu/sphis/ departments/hmss/academics-1/dual-mba-msha/)
- Combined Master of Public Administration and Master of Urban Planning (MPA/MUP) (http://louisville.edu/upa/programs/mup/mup-mpa/)
- Combined Master of Public Health in Health Policy and Master of Science in Health Administration (MPH/MSHA) (https:// louisville.edu/sphis/departments/hmss/academics-1/dual-mph-inhealth-policy-msha-program/)
- Combined Master of Divinity and Master of Science in Social Work (MDiv/MSSW) (https://louisville.edu/kent/academics/mssw-curriculum/)
 with Louisville Presbyterian Theological Seminary



The links below lead to the university's online learning website. For curriculum information on a particular program, please refer to the corresponding program page (p. 1) in this catalog.

Online Doctoral Degrees

 Doctor of Social Work (DSW) (https://louisville.edu/online/programs/ doctoral/online-doctor-of-social-work/)

Online Master's Degrees

- Artificial Intelligence in Medicine (MS) (https://catalog.louisville.edu/ graduate/programs-study/master-science-artificial-intelligence-inmedicine/)
- Biostatistics (MS) (http://louisville.edu/online/programs/masters/ master-of-science-in-biostatistics/?utm_source=uofl-catalog)
- Business Analytics (MSBA) (https://louisville.edu/online/programs/ masters/online-master-of-science-in-business-analytics/msba/)
- Business Administration (MBA) (http://louisville.edu/online/ programs/masters/master-of-business-administration/? utm_source=uofl-catalog)
- Civil Engineering (MS) (http://louisville.edu/online/programs/ masters/master-of-science-in-civil-engineering/?utm_source=uoflcatalog)
- Computer Science (MS) (http://louisville.edu/online/programs/ masters/master-of-science-in-computer-science/?utm_source=uoflcatalog)
- Criminal Justice (MS) (http://louisville.edu/online/programs/ masters/master-of-science-in-criminal-justice/?utm_source=uoflcatalog)
- Early Childhood Education, Interdisciplinary Alternative Certification (MAT) (https://louisville.edu/online/programs/masters/online-mat-in-interdisciplinary-early-childhood-education/)
- Electrical Engineering (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-of-science-electrical-engineering/)
- Engineering Management (MEng) (http://louisville.edu/online/ programs/masters/master-of-engineering-in-engineeringmanagement/?utm_source=uofl-catalog)
- Epidemiology (MS) (https://apply.louisville.edu/ register/form/?id=0384b3f4-b13d-4345-a7a3a5c2ce38cd7d&sys:field:OL_program_type=92e5e066-5eaa-4fa2aa57-3baa35d6a5bd&sys:field:OL_program=9a49d33b-8969-442d-89bfaab081506596&_gl=1*142wvh1*_gcl_au*MTE2NTUwMDUyMy4xNzE1MTcyO8c2/ysis/)
- Health Administration (MS) (http://louisville.edu/online/programs/ masters/online-master-of-science-in-health-administration/? utm_source=uofl-catalog)
- Health Data Analytics (MS) (http://louisville.edu/online/ programs/masters/master-of-science-in-health-data-analytics/? utm_source=uofl-catalog)
- Health Professions Education (CERT) (https://louisville.edu/ online/programs/certificate-programs/online-certificate-in-healthprofessions-education/)
- Health Professions Education (MS) (https://louisville.edu/online/ programs/masters/online-master-of-science-in-health-professionseducation/)
- Higher Education Administration (MA)—with concentrations (http://louisville.edu/online/programs/masters/master-of-arts-in-higher-education/?utm_source=uofl-catalog)
- Human Resources and Organization Development (MS)—with concentrations (http://louisville.edu/online/programs/masters/

- master-of-science-in-human-resources-and-organization-development/?utm_source=uofl-catalog)
- Industrial and Systems Engineering (MS) (https://louisville.edu/ online/programs/masters/online-master-of-science-in-industrialengineering/)
- Materials and Energy Science and Engineering (MS) (http://louisville.edu/online/programs/masters/master-of-science-in-materials-and-energy-science-engineering/)
- Social Work (MS)—with areas of specialization (http://louisville.edu/ online/programs/masters/master-of-science-in-social-work/? utm_source=uofl-catalog)
- Special Education (MEd)—with concentrations (http://louisville.edu/ online/programs/masters/master-of-education-in-special-education/)
- Special Education (MAT)—concentration in Moderate/Severe
 Disabilities (MSD) (http://louisville.edu/online/programs/masters/
 master-of-arts-in-teaching-in-special-education/?utm_source=uoflcatalog)
- Special Education (MAT)—concentration in Moderate/Severe
 Disabilities (MSD), alternative certification (http://louisville.edu/
 online/programs/masters/master-of-arts-in-teaching-in-special-education/?utm_source=uofl-catalog)
- Sport Administration (MS) (http://louisville.edu/online/ programs/masters/master-of-science-in-sport-administration/? utm_source=uofl-catalog)
- Teacher Leadership (MEd)—with endorsements and concentrations (http://louisville.edu/online/programs/masters/master-of-education-in-teacher-leadership/?utm_source=uofl-catalog)

Online Graduate Certificates

- Analytics in Engineering Decision Making (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificateanalytics-engr-decision-making/)
- African American Theatre (https://louisville.edu/online/programs/ certificate-programs/online-graduate-certificate-in-african-americantheatre/)
- Artificial Intelligence in Medicine (https://louisville.edu/online/ programs/certificate-programs/certificate-in-artificial-intelligence-inmedicine/)
- Applied Behavior Analysis (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-autism-and-applied-behavior-/OBCZ/ysis/)
- Biostatistics (http://louisville.edu/online/programs/certificateprograms/certificate-in-biostatistics/?utm_source=uofl-catalog)
- Business of Healthcare (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-business-of-healthcare/)
- Cybersecurity (http://louisville.edu/online/programs/certificateprograms/graduate-certificate-in-cybersecurity/?utm_source=uoflcatalog)
- Data Science (http://louisville.edu/online/programs/certificateprograms/graduate-certificate-in-data-science/?utm_source=uoflcatalog)
- Distilled Spirits Business (http://louisville.edu/online/programs/ certificate-programs/distilled-spirits-business-certificate/? utm_source=uofl-catalog)
- Family Business Management and Advising (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificatefamily-business-management/)



- Franchise Management (http://louisville.edu/online/programs/ certificate-programs/franchise-management/franchise-managementcertificate/?utm_source=uofl-catalog)
- Healthcare Financial Management (https://louisville.edu/online/ programs/certificate-programs/online-graduate-certificate-inhealthcare-financial-management/)
- Healthcare Management (https://louisville.edu/online/programs/ certificate-programs/online-graduate-certificate-in-healthcaremanagement/online-graduate-certificate-in-healthcare-management/)
- Healthcare Quality and Project Management (https://louisville.edu/ online/programs/certificate-programs/online-graduate-certificate-inhealthcare-quality-and-project-management/)
- Healthcare Systems Engineering (https://louisville.edu/online/ programs/certificate-programs/online-graduate-certificate-inhealthcare-systems-engineering/)
- Health Professions Education (https://louisville.edu/online/ programs/certificate-programs/online-certificate-in-healthprofessions-education/)
- Horse Racing Industry Business (https://catalog.louisville.edu/ graduate/programs-study/graduate-certificate-horse-racingindustry/)
- Managerial Analytics (https://louisville.edu/online/programs/ certificate-programs/online-managerial-analytics-certificate/)
- Organizational Change in Higher Education (https://louisville.edu/ online/programs/certificate-programs/online-graduate-certificatein-organizational-change-in-higher-education/?utm_source=uoflcatalog)
- Population Health Management (https://louisville.edu/online/ programs/certificate-programs/online-graduate-certificate-inpopulation-health-management/)
- Public Health Training (https://catalog.louisville.edu/graduate/ programs-study/graduate-certificate-public-health-training/)
- · Six Sigma (https://engineering.louisville.edu/)
- Structural Engineering (http://louisville.edu/online/programs/ certificate-programs/structural-engineering/?utm_source=uoflcatalog)
- Teaching English as a Foreign Language (TEIL) (http://louisville.edu/ online/programs/certificate-programs/certificate-in-teaching-englishas-an-international-language/?utm_source=uofl-catalog)
- Transportation Engineering (http://louisville.edu/online/programs/ certificate-programs/transportation-engineering/?utm_source=uoflcatalog)

Teaching Endorsements

- Classroom Reading (P-12) (http://louisville.edu/online/programs/ teaching-endorsements/classroom-reading-endorsement/? utm_source=uofl-catalog)
- English as a Second Language (ESL) (P-12) (http://louisville.edu/ online/programs/teaching-endorsements/english-as-a-secondlanguage-endorsement/?utm_source=uofl-catalog)
- Instructional Technology (P-12) (http://louisville.edu/online/ programs/teaching-endorsements/instructional-technologyendorsement/?utm_source=uofl-catalog)