Certificate Engineering dustrial

## **GRADUATE PROGRAMS OF STUDY**



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

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

Program MA /

Accountank MS

and

African

American

Theatre

MAT or

(https://

Analytics catalog.louisville.edu/

graduate/

programs-

study/ masteraccountancyandanalytics/)

MS

Specific

Master's

\_

\_

Discipline Doctoral CertificateCollege

	for Engineeri Decision Making		(h c p s c c a e d	https://		glouisville.edu	/)
the graduate or professiona egree programs should refer og.louisville.edu/undergradu	& Neurobio	(https:// catalog.loi kgraduate/ programs- study/ master- science- anatomica science- neurobiolc	PhD - (https:// catalog.loi graduate/ programs- study/ doctor- philosophy anatomica science- neurobiolc		(http://	Anatomical Science & Neurobiology	
ertificateCollege Depa or Other or School - College Acco of	rtment untancy	Id <b>gy</b> - (https:// catalog.louisville.ed graduate/ programs- study/ master- arts- anthropology/)	 lu/		Arts & Sciences (http:// louisville.e artsandsci intro/)		
Certificate Arts & Thea (https:// Sciences Arts catalog.loi(http:// graduate/ louisville.e programs-artsandsci	Applied ille.edu/Behavior Analysis		(l c p s c c a a a b	nttps:// atalog.lou raduate/ rograms-	Developm	Education	
study/ intro/) graduate- certificate- african- american- theatre/)	Applied Philosopł	MA - ny(https:// catalog.louisville.ed graduate/ programs- study/ master- arts- applied- philosophy/)			Arts & Sciences (https:// louisville.e artsandsci intro/)		

Analytics -

Art & Art History	(https:// catalog.lo graduate/ programs- study/ master- arts-art- creative- art-	MFA (https:// icatalog.lo graduate/ programs study/ master- fine-arts- studio- art- design/)		-	Arts & Sciences (http:// louisville.u artsandsc intro/)		Bioengine	(https:// catalog.lo graduate/ programs study/ master- science-	y graduate/ / graduate/ - programs- study/ master- of- eeringj/)eerin	graduate/ programs- study/ doctor-of- philosoph	у-	(https://	n <b>g</b> ioenginee ng.louisville	-
Artificial Intelligend in Medicine		- uisville.edu	- \/	(https://	(https:// winagilhe.edu	n <b>B</b> ioengineeri <b>u</b> g.louisville.e	-			specializa in- translation bioengine	nal-			
Asian	programs- study/ master- science- artificial- intelligence in- medicine/	- ce-	-	programs- study/ graduate- certificate artifical- intelligenc medicine/	- :e- )	Asian	Bioinform		-	PhD (https:// catalog.lo graduate/ programs- study/ doctor-of- philosoph in-		Graduate School (https:// louisville.e graduate/		linary
Studies				(https:// catalog.log graduate/ programs- study/	Sciences (http:// louisville.	Studies e				interdiscip studies- specializa in- bioinforma	1			
				graduate- certificate asian- studies/)			Biology	MS (https:// catalog.lo graduate/	- ouisville.edu	PhD (https:// "¢atalog.lo graduate/		louisville.		
Audiology	1-	-	AuD (https:// catalog.log graduate/ programs-	uisville.edu	(http://			programs study/ master- science- biology/)	-	programs- study/ doctor- philosoph biology/)	у-	artsandsc		
			study/ doctor- audiology/	/)			Biostatist	(https:// catalog.lo		catalog.lo	catalog.lo	Health &	Bioinforma & Biostatistic	
	sMS (https:// r catalog.lo graduate/ programs- study/		PhD (https:// catalog.log graduate/ programs- study/		(http:// louisville.	Biochemistry & eMolecular / Genetics		graduate/ programs study/ master- science- biostatist	 і	study/	programs study/ graduate- certificate	-(https:// louisville.e sphis/)	1	
	master- science- biochemis molecular biology/)		doctor- philosophy biochemis molecular- biology/)	;			Business Administr		MBA* (https:// catalog.lo graduate/ programs- study/ master- business- administra	-	- 1/	Business (http:// business.	ouisville.ed	u/)

g p s n s b	(https:// catalog.loi graduate/ programs- study/ master- science- pusiness- analytics/		-		Business (http:// business.l	Ju	Civil Engineerir /)	catalog.lo graduate/	i graduate/ -programs: study/ master- of- engineerir civil/) <sup>3</sup>	graduate/ programs- study/ doctor- philosophy-	ille.ed	Engineerinĝivil & (https:// Environn u¢ngineerin <b>Ģinginsœi</b>	
of Healthcare				(https://	(https:// bosihessluduisville.	edu	Clinical / Investigat Sciences	-	MSc (https:// catalog.lo graduate/ programs: study/ master- of- science- in-			Public Health & Informatio Sciences (http:// louisville.e sphis/)	
Certified - School Counselor				(https:// catalog.lou graduate/ programs-	louisville.e education,	ı –	t Communio	(https://		)		Arts & Commur Sciences (http:// louisville.edu/ artsandsciences/)	ication
g p s n c s c c	fhttps:// (l catalog.loui graduate/ g orograms-p study/ s master- n of- o science- e chemical- c engineering	https:// iatailegettu programs- tudy/ naster- of- ngineerin hemical/)	graduate/ programs- study/ doctor- philosophy ghemical-	u∕isville.edu /- g/)	Engineerin@hemica (https:// Engineer ¢ngineering.louisvil Arts & Chemistr	ing le.e	cScience &	(https:// catalog.lo graduate/ programs study/ master- of- science- computer	MEng (https:// ocatalog.lo graduate/ -programs- study/ master- of- engineerir - computer-	acatalog.loi graduate/ programs- study/ doctor- philosophy acomputer-		EngineerirCompute (https:// Science engineerinEngineer	&
( c g p s s n s	(https:// catalog.loi graduate/ orograms- study/ master- science- chemistry,		(https:// catalog.lou graduate/ programs- study/ doctor- philosophy chemistry,		Sciences (http:// louisville.e artsandsci		Counselin & Personnel Services	-	graduate/ programs- study/ master- of- education in- counselin and- personnel	PhD - (https:// watvällegebbu/isv graduate/ programs- study/ doctor-of- philosophy-	ille.ed	Education Counseli & Human & Humar uDevelopm@developr (http:// louisville.edu/ education/)	1

Couple & Family Therapy	MS - (https:// catalog.lou graduate/ programs- study/ master- science- couple- family-	-	-	Social Work (https:// louisville.e kent/)	Social Work	Dentistry	MSD - (https:// catalog.louisville.edu graduate/ programs- study/ master- science- dentistry/)	DMD (https:// u¢atalog.lc profession dental- bulletin/)	nal/	Dentistry (https:// ukouisville.e dentistry/) Business	du/	
Criminal Justice	therapy/) MS* - (https:// catalog.louisv graduate/ programs- study/ master- science- criminal- justice/)	PhD (https:// ille.edu¢atalog.lo graduate/ programs- study/ doctor- philosoph criminal- justice/)	uisville.edu	Arts & Sciences ı(http:// louisville.e artsandsc	edu/	Spirits Business Diversity		-	graduate/ programs- study/ graduate- certificate distilled- spirits/) Certificate	ibusiness.l	Philosopt	Ju) hy
Curriculur and Instructio	γ	PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph	specialist- in- education	Developm (https:// catalog.lo undergrad academic unit- informatic college- education human-	(    / - -	Early Childhooc Education	MAT - I (https:// ncatalog.lou ggraduate/ programs-		graduate/	u(tsttjble/edu louisville.e artsandsci - Education & Human Developm	du/ ences/) Early Childhood & Elementa	ary
Cybersect	urity -		Certificate (https://	*Engineerir (https:// ubgilheedu	nĝomputer Engineering Mg.louisville. Computer Science		study/ master- of-arts-in- teaching- in- interdiscip early- childhood- education, MAT -			education,		
Data Science		-		(https:// rengineerir	Computer Engineering 1& . Computer Science	Childhood Education	l (https:// n,catalog.louisville.ed p <b>ijnædy</b> ate/ programs-	u/			Education ent du/	n

Education- Administra	EdS (post- master's) (https:// catalog.lou graduate/ programs- study/ specialist- in- education- in- education		Education Educational & Human Leadership, Developm:Evaluation, (http:// and louisville.eOrganization education, Development	Education (Early)		() c g p s s r r p e	atalog.lo jraduate/	l,	/
Educational Leadership & Organizational Development		EdD - (https:// catalog.louisville.edu graduate/ programs- study/ doctor-of- education- in- educational- leadership- and-	Education Educational & Human Leadership Developm&nt (http:// Organization louisville.eDev/elopment education/)	Certficatio al	, (https:// ccatalog.louisville.er programs- study/ master- of-arts- teaching- in-early- elementary- education- altcert/)			Education Elementar & Human Middle, Developmæntd (https:// Secondary louisville.etdu/cation education/)	/
Education Leadershi & Organizati Developm	-	organizational- development/ #degreerequirement PhD - (https:// catalog.loi graduate/ programs- study/ doctor-of- philosophy in- education;	stext) Education Educational & Human Leadership Developm(& (http:// Organization louisville.eDevelopment education,	Residency				Education Elementar & Human Middle, Developmjand (https:// Secondary louisville.cEducation education,	/
graduate/	MEng (https:// udataillegebbu graduate/ -programs- study/	graduate/	Engineerin <b>g</b> lectrical (https:// Engineering J¢ngineering.louisville.e	-	MA - (https:// catalog.louisville.e graduate/ programs- study/ master- arts- english/)	PhD - (https:// du¢atalog.loui graduate/ programs- study/ doctor- philosophy- english- rhetoric- compositio		Arts & English Sciences u(http:// louisville.edu/ artsandsciences/)	
	engineerin electrical/	philosophy- glectrical- engineering/)		Entrepren	(	PhD - (https:// catalog.loi graduate/ programs- study/ doctor- philosoph entreprene		Business Entreprend (http:// business.l	eurship Ju)

Environmental Engineering	Certificate Engineerinĝivil & (https:// (https:// Environmen catalog.lou <b>isgilhe.eduğrigiriseilleg</b> graduate/ programs- study/ graduate- certificate- environmental- engineering/)		<ul> <li>Arts &amp; Geographic Sciences &amp; (http:// Environmental louisville.eSciences artsandsci</li> </ul>
Epidemiol(MS* - PhD (https:// (https: catalog.loi catalo graduate/ gradua programs- progra study/ study/ master- phd-in science- public epidemiol( health scienc	.loi InformatioPopulation te/ Sciences Health ns- (https:// louisville.e sphis/)	Administra <b>(hotp</b> s:// catalog.louisville.edu/ graduate/ programs- study/ master- science- health- admin/)	- Public Health Health & Management Informatio& Sciences Systems (https:// Sciences Iouisville.edu/ sphis/)
specia epiden Exercise MS Physiology(https:// catalog.louisville.edu/ graduate/ programs- study/ master- science- exercise- physiology/) Family		Health & MAT Physical (https:// Education catalog.lou graduate/ programs- study/ master- of-arts-in- teaching- health- and- physical- education,	- Education Teaching & Human & Developm(Learning (http:// louisville.e education,
Business Managem and Advising Franchise	(https:// (http://	Healthcare ) Ethics <sup>6</sup>	Certificate Arts & Philosophy (https:// Sciences catalog.lou(isttjike.#du/ graduate/ louisville.edu/ programs-artsandsciences/ study/ intro/) graduate- certificate- health- care- ethics/)
Management	(https:// (http:// catalog.lou <b>isrsilhe.solur</b> /uisville.edu graduate/ programs- study/ graduate- certificate- franchising/)	Healthcarr ) Financial Managem	Certificate Public (https:// Health & catalog.loiInformatio graduate/ Sciences programs-(https:// study/ louisville.e graduate- sphis/) certificate healthcare financial- managem

Healthcare Management	CertificatePublic (https:// Health & catalog.louisville.atlun graduate/ Sciences programs-(https:// study/ louisville.edu/ graduate- sphis/) certificate- healthcare- management/)	Education (https:// and catalog.lou Student graduate/ Affairs programs- study/ master- arts- higher- education-	Education Educational & Human Leadership, Developm Evaluation, (http:// & louisville.eOrganizational education,Development
Healthcart Quality and Project Managem	Certificate Public (https:// Health & catalog.loiInformatio graduate/ Sciences programs-(https:// study/ louisville.e graduate- sphis/) certificate- healthcare quality-	(https:// catalog.louisville.edu/ graduate/ programs- study/ master- arts- history/)	Arts & History Sciences (http:// louisville.edu/ artsandsciences/)
Healthcare Systems Engineering	project- managem CertificateEngineerinthdustrial (https:// (https:// catalog.louisyilteedug.louisville.e graduate/ programs- study/ graduate- certificate- healthcare- systems-	Horse Certificate Racing (https:// ndustry catalog.lo Business graduate/ programs- study/ graduate- certificate- horse- racing- industry/)	of Business (https:// business.l Ju/)
HealthMS*Data(https://Analyticscatalog.lougraduate/programsprograms-study/master-sciencehealth-dataanalytics/;	engineering/) - Public Health Health & Managemer Informatio& Sciences Systems (https:// Science Iouisville.e sphis/)	Resources(https:// & catalog.louisville.edu/ Drganizati <b>gn</b> aduate/ Developm <b>ørr</b> bgrams-	Education Educational & Human Leadership, Developmentaluation (http:// & louisville.e <b>Ong</b> anizational education/Development
Health MS* Profession(https:// Education catalog.louisville.edu/ graduate/ programs- study/ master- science- health- professions- education/)	Certificate Education (https:// & Human catalog.lo@ewidle.prote/ht graduate/ (http:// programs-louisville.edu/ study/ education/) master- science- health- professions- education/)	(https:// (https:// catalog.loi catalog.loi graduate/ graduate/	Arts & Humanities Sciences (http:// louisville.e artsandsci



•	(https://	iisville.edu	PhD (https:// u¢atalog.lou graduate/ programs- study/ doctor- philosophy industrial- engineerin	uisville.edu y-		ngndustrial Engineering Ig.louisville.e			-	-	Certificate (https:// catalog.lo graduate/ programs study/ graduate- certificate manageria analytics/	(https:// ibusiness.		lu/)
Interdiscip Studies	pMA (https:// catalog.lou graduate/ programs- study/ arts- interdiscipi studies/)	MS (https:// catalog.lo graduate/ programs- study/ master- science- interdiscip	graduate/ programs- study/ doctor- philosophy interdiscip		School (https:// louisville.e graduate//		Science and Engineerin	(https:// catalog.lo graduate/ ngrograms study/ master- science- materials- energy- science-	-	- 1/	-	Engineerin (https:// engineerin	ng.louisvill	e.edu/)
in	(https:// atiatalog.lou graduate/ ipirograms- study/20m of- science- in- interdiscipl studies- concentrat	aster- linary-	- 1/	-	School (https://	Interdisciplin Studies ouisville.edu/	Mathema	(https:// catalog.lo graduate/ programs study/ master- arts- mathema	- - t	PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph applied- industrial- mathemat	2	Arts & Sciences (https:// louisville.t artsandsc		
Latin American & Latino Studies	in- nanomedic #text) 	:		catalog.lo graduate/ programs- study/ graduate- certificate latin- american-	Sciences (https:// louisville.e artsandsc	& Latino Studies	Mechanic Engineerin Medicine	https:// catalog.lo graduate/ programs study/ master- of- science- mechanic engineerin	y graduate/ - programs- study/ master- of- engineerir ahechanic	graduate/ programs- study/ doctor- philosoph grechanic. MD (https://	y- al- ıg/)	(https:// uengineerin Medicine (https://		ng
Law			JD (https:// catalog.lo professior	uisville.edu	Law (https:// Ikouisville.e law/)	edu/	Medieval & Renaissar Studies		-	catalog.lo professior -	Certificate (https:// catalog.lo graduate/	Sciences u(itatiphe://doi louisville.u - artsandsc	/ History u/ edu/	

Microbiol & Immunolo	cMS - (https:// ocatalog.lou graduate/ programs- study/ master- science- microbiolc immunolo	PhD - (https:// catalog.lou graduate/ programs- study/ doctor- philosophy microbiolc immunolo		Medicine Microbiology (https:// & louisville.eImmunology medicine/;	Composit	- ion MAT	MM (https:// catalog.louisville.edu/ graduate/ programs- study/ master- music- composition/) MME	Music Music (https:// louisville.edu/ music/)
Middle Grades Educatior	 1	(ht cai gra pro stu rar pro mi gra gra	ttps:// talog.lou aduate/ ograms- udy/ nk-i- ogram- iddle- ades-	Education Middle & & Human Secondary Devittent ducation (https:// louisville.edu/ education/)	Education	(https:// catalog.lo graduate/ programs- study/ master- arts-	(https:// icatalog.loi graduate/ programs- study/ master- music- education,	& Human Developm Music
Middle School Educatior	MAT - (https:// catalog.lou graduate/ programs- study/ master- of-arts-in- teaching-			() <sup>-</sup> Education Middle & & Human Secondary Developm:Education (https:// louisville.e education,	Music History and Literature	-	MM (https:// catalog.louisville.edu/ graduate/ programs- study/ master- music- history- literature/)	Music Music (https:// louisville.edu/ music/)
Alt.	in-middle- school- education, MAT - (https:// n,catalog.louisville.edu graduate/ qprograms- study/	 u/		Education Middle & & Human Secondary Developmenducation (https:// louisville.edu/ education/)	Music Performar	-	MM (https:// catalog.loi graduate/ programs- study/ master- music- performan	Music Music (https:// louisville.e music/)
	alternative- route- to-5-9- certification- in-middle- school/)				Music Theory	-	MM (https:// catalog.louisville.edu/ graduate/ programs- study/	Music Music (https:// louisville.edu/ music/)
Teacher	MAT (https:// n.catalog.lou graduate/ yprograms- study/ master- of-arts-in- teaching- in-middle- school- education- tr/)			Education Middle & & Human Secondary Developm Education (https:// louisville.e education,			master- music- theory/)	

Neuroscie - Translatio	-	PhD - (https:// catalog.lou graduate/ programs- study/ doctor-of- philosophy in- interdiscip	Graduate Interdiscip School Studies (https:// louisville.e graduate/)	lina <b>0y</b> al Biology	MS - (https:// catalog.louisville.ed graduate/ programs- study/ master- science- oral- biology/)	- du/	-	Dentistry (https:// louisville.edu/ dentistry/)
		studies- specializa in- translatior neuroscier		Organizat Change in Higher Education		-	(https:// catalog.lo graduate/	Education Educational & Human Leadership, Developm Evaluation, / (https:// and -louisville.eOrganizational
Nursing -	graduate/	PhD, PhD DNP ot(tsttipke:,&du/ catalog.louisville.e - graduate/ programs- study/ doctor-	Nursing Nursing (https:// louisville.edu/ dun⁄ursing/)				study/ graduate- certificate in- organizat change- in-higher- education	education, Development
	nursing- clinical- nurse- leader/)	philosophy- nursing/)		Pan- African Studies	MA - (https:// catalog.louisville.ed graduate/		oui <b>avalle</b> gebb	Sciences African
Nursing - Practice	-	DNP, - PhD-DNP (https:// catalog.lou graduate/ programs- study/ doctor-	Nursing Nursing (https:// louisville.e nursing/)	Pharmac	programs- study/ master- arts-pan- african- studies/)	study/ doctor- philosoph pan- african-	- programs study/ graduate- nycertificate pan- african- studies/)	
Nursing - Practice, Specialization in Nurse	-	nursing- practice/) DNP - (https:// catalog.louisville.e graduate/	louisville.edu/	&	(https:// ijcatalog.loi graduate/ programs- study/ master-	(https:// catalog.lo graduate, programs study/ doctor-	DI / ;-	(https:// & louisville.eToxicology medicine/
Anesthesia		programs- study/ doctor- nursing- practice- nurse- anesthesia/)	nursing/ academics/ dnp/)	Physics	science- pharmaco toxicology MS - (https:// catalog.louisville.ed graduate/	philosoph pharmaco toxicolog PhD (https:// du¢atalog.lo graduate/	y - puisville.ed	Arts & Physics & Sciences Astronomy u(/https:// louisville.edu/
Nurse - Practition: - APRN		(https:// catalog. graduate	te		programs- study/ master- science- physics/)	programs study/ doctor- philosoph physics/)	:- 1y-	artsandsciences/)

Physiolog	yMS* - (https:// catalog.lou graduate/ programs- study/ master- science- physiology biophysics	PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph physiology biophysics		Medicine (https:// louisville.e medicine/		Psychological Science - Clinical	-	PhD - (https:// catalog.louisville.edu graduate/ programs- study/ doctor- philosophy- psychology- clinical/)	Arts & Sciences u(https:// louisville.e artsandsc	Sciences edu/
Police Executive Leadersh		-	catalog.lo graduate/ programs- study/ graduate- certificate police-	Sciences u(tstrijke: /du louisville.e - artsandsc	ı/ edu/	Public - Administra	MPA (https:// catalog.lo graduate/ programs- study/ master- public- administra		louisville.e artsandsc	Administration
Political Science	MA - (https:// catalog.lou graduate/ programs- study/		executive- leadership developm	)-	2	Public - Health	MPH (https:// catalog.lo graduate/ programs study/ master- public- health/)		Public Health & Informatic Sciences (https:// Iouisville.e sphis/)	n
	master- arts- political- science/)					Public - Health Sciences, Epidemiol	-	PhD - (https:// catalog.lou graduate/	Public Health & Informatic Sciences	Population
Populatio Health Managem		-	graduate/ programs- study/ graduate- certificate	Health & Uisfoille.ation Sciences (https:// louisville.e sphis/)				programs- study/ phd-in- public- health- sciences- specializat epidemiok	(https:// louisville.e sphis/)	3
			population health- managem			Public - Health Sciences,	-	PhD - (https:// catalog.louisville.edu		Health Management
Psycholo Science	gMS - (https:// catalog.lo graduate/ programs- study/ master- science- psycholog science/)	PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph psycholog experimen	1	Arts & Sciences (https:// louisville.e artsandsc	Sciences			graduate/ programs- study/ phd-in- public- health- sciences- specialization- health- management- policy/)	Sciences (https:// louisville.e sphis/)	Systems Sciences

Public Health Sciences, Health Promotion & Behavioral Sciences	PhD - (https:// catalog.lou graduate/ programs- study/ phd-in- public- health- sciences- specializar health- promotion	Public Health Health & Promotion Informatio& Sciences Behavioral (https:// Sciences Iouisville.e sphis/)	Secondar Education Secondar Education	h (https:// catalog.lo graduate/ programs- study/ master- arts- teaching- secondary education	- /-	- //	· ·	& Human (https:// louisville educatio /- /) <sup>2</sup> Educatio		
Public Health Training	- Certifica (https:// catalog. graduate program study/	Health & louisfoille.ætdon e/ Sciences s- (https:// louisville.edu/ e- sphis/) te-	alt.	catalog.lo cgraduate/ programs- study/ alternative route- to-8-12- certificatio in- secondary education	- e c				n Education	
Public History Real	catalog. graduate	Sciences loi(https:// e/ louisville.e s- artsandsci		-	-	- /L	-	& Human		
Estate Development	(https:// catalog. graduate program study/ graduate certifica real- estate- develop	Sciences Public lou( <b>isstipls</b> ://duAffairs e/ louisville.edu/ s-artsandsciences/) e- te-	Six Sigma	education tr/) -		-		(https:// engineer	ir Engineerir Managem n	-
School Social Work	catalog. graduate	& Human Education loiDevelopm e/ (https:// s-louisville.e education,	Social Work		catalog.lo graduate/	graduate/	sigma- black- belt/) RANK 1	louisville		
					science- social- work/)	philosoph social- work/)	yprogram- school- social- work/) <sup>2</sup>			

Social		DSW*	-	Social	Special	MAT*		-	Education Special	
Work		(https:// catalog.lo graduate, programs study/ doctor- social- work/)	/	Work (https:// louisville.e kent/)	- MAT LBD	(https:// catalog.ld graduate, programs study/ master- of-arts-in- teaching-	-		and Education Human Developm (https:// louisville.e education,	
Sociology	(https:// catalog.louisy graduate/ programs- study/ master- arts-	PhD (https:// ville.edu¢atalog.ld graduate, programs study/ doctor- philosoph applied	/	Arts & Sociology Sciences u(https:// louisville.edu/ artsandsciences/)	Special	in- special- educatior specializa in- learning- behavior- disorders		Education Operaid		
	sociology/)	applied- sociology	ı/)		Special Educatior	MAT* ,(https://		-	Education Special & Human Education	
Special Educatior	h(https:// (ht catalog.loicat graduate/ gra programs-pro study/ stu master- ma of-arts-in- of- teaching- edd in- in- special- spi education-edd specializa	Ed* - ttps:// talog.loi aduate/ ograms- udy/ aster- - lucation- ecial-	RANK 1 (https:// catalog.lo graduate/	-louisville.e education, n.  -	alt. certificati (MATLBD	catalog.louisville.edu/ ograduate/ )programs- study/ master- of-arts- teaching- in- special- education- specialization- in-lbd- altcert/)			Development (https:// louisville.edu/ education/)	
	in- moderate- severe- disabilities p-12/)				Special Education non- teaching	- 1,	MEd* - (https:// catalog.lou graduate/ programs- study/	-	Education Special & Human Education Developm (https:// louisville.¢ education,	
alt.	MAT* - n,(https:// catalog.louisv o <b>g</b> raduate/ programs-	- ville.edu/	-	Education Special & Human Education Development (https:// louisville.edu/			master- education- special- education,			
	study/ master- of-arts-in- teaching- in- special- education- MSD- altcert/)			education/)	Special Educatior (Applied Behavior Analysis concentra		MEd - (https:// catalog.louisville.edu graduate/ programs- study/ master- education- special- education- concentration- in- autism/)	-	Education Special & Human Education Development (https:// louisville.edu/ education/)	

Speech- MS Lanaguagi(https:// Pathology catalog.lo graduate/ programs study/ master- science- communi disorders.	ς	-	Medicine Otolaryngo (http:// Head louisville.c& Neck medicine/,Surgery		Leadership	MEd* (https:// catalog.lo graduate/ programs- study/ master- education teacher- leadership	-		Education & Human Developm (https:// louisville.e education,	edu/ /)	
graduate/ programs study/ master-		-	Education Health & Human & Sport Developmætiences (https:// louisville.edu/ education/)		Teaching - English to Speakers of Other Language: (TESOL)	-	-	(http:// louisville.e online/ program-			
science- sport- administration/) Structural Engineerin		Certificate Engineerin Civil & (https:// (https:// Environment nextcatalcengineerin Engineering graduate/ programs- study/ graduate-				MFA - (https:// catalog.louisville.ed graduate/ programs- study/ master- fine-arts- theatre- arts/)		- 1/	Arts & Fine Arts Sciences (https:// louisville.edu/ artsandsciences/)		
Studio - Art & Design (also see Art)	MFA - (https:// catalog.louisville.ed graduate/				Translatio⊦ Bioengine		PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph translation		Engineerin (https:// engineerin	Bioengine	ering edu/)
	programs- study/ master- fine-arts- studio- art- design/)				Transportation Engineering						
Sustainab MA & MS (https:// catalog.lc graduate/ programs study/	1 ,	-	Graduate Urban & School Public (https:// Affairs louisville.e graduate/)					study/ graduate- certificate in- transporta engineerir	ation-		
master- of-arts- master- of- science- in- interdisci studies- concentra in- sustainab #degreere	a				Urban & - Public Affairs		PhD (https:// catalog.lo graduate/ programs- study/ doctor- philosoph urban- public- affairs/)		Arts & Sciences (https:// louisville.e artsandsc	Affairs	

Urban Planning	-	MUP (https:// catalog.lo graduate/ programs- study/ master- urban- planning/	-	-	Arts & Sciences (https:// louisville.c artsandsc	Affairs edu/
,			-	catalog.lo graduate/	Sciences ((https:// louisville.o -artsandsc	Sexuality Studies

<sup>1</sup> This program is not currently accepting applications for admission.

<sup>2</sup> 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.

- <sup>3</sup> 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.
- <sup>4</sup> The EdS (Education Specialist) degree in Educational Administration is a 30 credit hour, post-master's degree program.
- <sup>5</sup> Interdisciplinary program concentration or specialization.
- <sup>6</sup> Concentration title was "Bioethics and Medical Humanities" prior to 2019-2020.
- <sup>7</sup> Professional degree program
- <sup>8</sup> 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/programsstudy/doctor-audiology/)

Doctor of Nursing Practice (https:// catalog.louisville.edu/graduate/programsstudy/doctor-nursing-practice/)- (https:// catalog.louisville.edu/graduate/programsstudy/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/programsstudy/doctor-nursing-practice-nurseanesthesia/)

### **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-ofphilosophy-in-interdisciplinary-studies-specialization-in-translationalneuroscience/)
- 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-healthsciences-specialization-epidemiology/)
- Public Health Sciences: Specialization in Health Management and Policy (https://catalog.louisville.edu/graduate/programs-study/phd-in-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-philosophycurriculum-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-artsmaster-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-educationspecialization-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/)
- 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 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-artsmaster-of-science-in-interdisciplinary-studies-concentration-insustainability/)
- Interdisciplinary Studies: Concentration in Nanomedicine (https:// catalog.louisville.edu/graduate/programs-study/20master-ofscience-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/programsstudy/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
- 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/)
- 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 to Speakers of Other Languages (TESOL) (https:// louisville-curr.courseleaf.com/graduate/programs-study/graduatecertificate-teaching-english-intl-languge/)
- 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-inspecial-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/)

# UNIVERSITY OF

## **College of Arts and Sciences**

#### A

- 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/)

#### В

- 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/)

#### D

• 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/)

#### Η

- 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/)

#### Μ

- 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/)

#### Ρ

- 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-certificatepolice-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-certificatefamily-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**

#### A

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

#### С

- 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

- 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-artsteaching-in-early-elementary-education-altcert/)
- Exercise Physiology (MS) (https://catalog.louisville.edu/graduate/ programs-study/master-science-exercise-physiology/)

#### Η

- 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/)

#### L

- 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-childhoodeducation-altcert/)
- Interdisciplinary Early Childhood Education, Teacher Residency (MAT) (https://catalog.louisville.edu/graduate/programs-study/master-ofarts-in-teaching-in-early-elementary-education-interdisciplinary-tr/)

#### Μ

- 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-routeto-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-certificatein-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-routeto-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-inspecial-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-educationspecialization-in-moderate-severe-disabilities-tr/)

- Special Education, Concentration in Applied Behavior Analysis (MED) (https://catalog.louisville.edu/graduate/programs-study/mastereducation-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-inlearning-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-inmoderate-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-specialeducation-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/)
- Т
  - Teaching and Learning (LEADMEd) (https://catalog.louisville.edu/ graduate/programs-study/master-education-teacher-leadership/)
  - Teaching English to Speakers of Other Languages TESOL (CERT) (https://catalog.louisville.edu/graduate/programs-study/graduatecertificate-teaching-english-intl-languge/)

### **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/doctorof-philosophy-in-interdisciplinary-studies-specialization-inbioinformatics/)
- 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-graduatecertificate-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-nursingpractice-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 (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/)
- 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-inpublic-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

#### Analytics for Engineering Decision Making (CERT) (https:// catalog.louisville.edu/graduate/programs-study/graduate-certificateanalytics-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/)

#### В

- 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 (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/)

#### Η

- 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/)

#### М

- Materials and Energy Science and Engineering (MS) (https:// catalog.louisville.edu/graduate/programs-study/master-sciencematerials-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., doctoralmaster'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-degreeprograms/)
- 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-degreeprograms/)

#### **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/mpama/)
- 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/mupmpa/)
- 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/msswcurriculum/) 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/)

#### UNIVERSITY OF LOUISVILLE

- 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-ininterdisciplinary-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\*MTE2NTUwMDUyMy4xNzE1MTcyOBcostatistics (http://louisville.edu/online/programs/certificate-
- · Health Administration (MS) (http://louisville.edu/online/programs/ masters/online-master-of-science-in-health-administration/? 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-highereducation/?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-organizationdevelopment/?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-inmaterials-and-energy-science-engineering/)
- Physiology (MS) (https://louisville.edu/online/programs/masters/ online-master-of-science-in-physiology/?tab=courses)
- · 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-specialeducation/?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-educationin-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-behavioranalysis/)

programs/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-guality-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/)

# UNIVERSITY OF

- 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 to Speakers of Other Languages (TESOL) (http:// louisville.edu/online/programs/certificate-programs/certificate-inteaching-english-as-an-international-language/?utm\_source=uoflcatalog)
- 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)