

# BALL STATE UNIVERSITY

## ACADEMIC POSTING

### 2018-2019

VOLUME XLVIII – 6.2 – FINAL POSTING PART 2

April 19, 2019

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins April 19, 2019. If no demurrer is received within ten school days, the changes will be certified for implementation.

*The effective date for implementing the undergraduate and graduate materials posted after April 19, 2019 is Fall Semester 2020.*

**Revised:**

**Bachelor of Arts language requirement**

**Bachelor of Arts (BA)**

This degree program requires two years (or the equivalent) of study in one foreign language or American Sign Language, normally courses through the full second year level.

**COLLEGE OF ARCHITECTURE AND PLANNING**

**Department of Architecture**

**Revised:**

**MASTER OF SCIENCE IN HISTORIC PRESERVATION, 30-36 credits**

This program prepares students from diverse undergraduate backgrounds for professional careers in historic preservation. Students are provided with both a strong academic background and field experience. Graduates of the program enter a wide variety of positions in both the public and private sector. Students work closely with faculty and community partners to explore the complex challenges facing the preservation field. The program prepares students in the areas of community engagement, economic development, cultural resource management, current preservation technology and preservation policy that is culturally and ecologically responsible.

*Track 1:* a one-year program, consisting of a minimum of 30 graduate credits. This track is for students who already have demonstrated professional experience (e.g., minimum of two years of professional practice) or who have achieved a minimum 3.0 GPA in an undergraduate historic preservation minor, or undergraduate historic preservation major from an accredited college or

university. The director of the graduate program in historic preservation will qualify applicants.

**Admission requirements**

Applicants must meet the admission requirements of the Graduate School as well as historic preservation in the Department of Architecture, College of Architecture and Planning.

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ARCH	540	Intro to Pres	3
	541	Pres Policy	3
	547	Pres Tech	3
	573	Pres Current Issues	3
	606	Documentation Studio	3
	607	Pres Studio I	3
	608	Pres Studio II	3
	626	Pres Res Meth	3
	639	Contemp Hist Theory of Arch	3
			27 crs
600-level electives approved by the MSHP director			3
			30 crs

*Track 2:* a one-year (or 3 semesters) program, consisting of a minimum of 36 graduate credits.

**Admission requirements**

Applicants must meet the admission requirements of the Graduate School as well as historic preservation in the Department of Architecture, College of Architecture and Planning.

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ARCH	540	Intro to Pres	3

541	Pres Policy	3
547	Pres Tech	3
573	Pres Current Issues	3
606	Documentation Studio	3
607	Pres Studio I	3
608	Pres Studio II	3
626	Pres Res Meth	3
639	Contemp Hist Theory of Arch	3
		<hr/>
		27 crs

Electives approved by the MHSP director:

1 general elective	
2 electives at the 600-level	9
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36 crs	

### MINOR IN HISTORIC PRESERVATION, 15 credits

#### Admission Requirements

- 1) Minimum sophomore standing at BSU
- 2) Minimum 3.0 GPA

Students with a GPA of 2.99 to 2.76 must have minimum sophomore standing at BSU and be admitted by HP director based upon the following:

- 1) 1-page statement of interest
- 2) 2 letters of recommendation by current or past instructors
- 3) Admission by HP director

Students with a GPA of 2.75 or below will not be granted admission into the minor.

#### Degree Requirements

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ARCH	340	Intro to HP for Architects (3)	
	or		
	440	Intro to Historic Pres (3)	3

Design History, 3 credits from the list below that are not required for your major

ARCH	229	History of Architecture 1 (3)	
	329	History of Architecture 2 (3)	
IDES	210	Hist and Theoretical Studies 1 (3)	
	225	Hist and Theoretical Studies 2 (3)	
LA	220	LA Hist Anct to Mid 19th Cent (3)	
	221	LA Hist Mid 19th to Rec Past (3)	
PLAN	220	Hist and Thry of Plan 1 (3)	
	221	Hist and Thry of Plan 2 (3)	3

Preservation Content Areas, select 9 credits from

ARCH	441	Pres Policy (3)	
	447	Pres Tech (3)	
	473	Pres Current Issues (3)	

HIST	240	Introduction to Public History (3)	
LA	420	Historic Land Preservation (3)	
PLAN	450	Neighborhood Planning (3)	9
			<hr/>
			15 crs

### Certificate in Historic Preservation, 12 credits

The Graduate Certificate in Historic Preservation provides students with a solid understanding of the complex issues involved in the preservation of historic structures and heritage sites. The curriculum offers opportunities to engage in community-based projects involving Historic Preservation and related fields.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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Core requirements

ARCH	540	Intro to Pres	3
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Select 9 credits from

ARCH	541	Pres Policy (3)	
	547	Pres Tech (3)	
	573	Pres Current Issues (3)	
	606	Documentation Studio (3)	
	607	Pres Studio I (3)	
	608	Pres Studio II (3)	
	626	Pres Res Meth (3)	9
			<hr/>
			12 crs

## Department of Urban Planning

### Revised:

### MASTER OF URBAN AND REGIONAL PLANNING, 36-51 credits

The professional field of planning and the programs of the department present significant and diverse opportunities to solve the problems of communities, provide directions for them, and shape their built environments. Our profession is uniquely dedicated to the quality of life impacted by place, to visions and policy consequences that extend beyond the short term, and to problem solving that relies on multiple disciplines. Our professional values commit us to environmental sustainability, social equity, participatory democracy, and deliberate design.

Planners promote development through the implementation of plans formulated and adopted in the public interest. They perform this function in all three economic sectors—public, private for-profit, and private nonprofit. Professional career areas of opportunity include public planning and housing/community development agencies, land development and professional service firms, and community development

organizations serving neighborhoods and various public interests.

The department prepares students for these challenges by offering a rigorous course of study for the master of urban and regional planning (MURP), a fully accredited degree.

**Admission requirements**

Applicants must meet the admission requirements of the Graduate School and be approved by the Department of Urban Planning. International students must also meet the financial, English language, U.S. Immigration (visa), and transcript certification requirements of the Rinker Center for International Programs.

**Degree requirements**

*Concentrations*

The standard MURP concentration is a two-year, 48 credit program. The accelerated track program, available only to graduates of an urban planning baccalaureate program accredited by the Planning Accreditation Board (PAB), may be completed within one calendar year (a full academic year plus dual summer session) and requires 36 credits.

*Examination*

To assist in self-assessment and faculty advising, newly admitted students must complete a diagnostic examination that evaluates their planning interests, perceptions, knowledge, and skills. Before graduation students must also complete a comprehensive examination that addresses the synthesis of knowledge of greatest significance in the student's professional education. This exam assesses not only student competency and program effectiveness, but also student progress since the diagnostic exam. It is not necessary to pass the exam to receive a degree.

*Capstone Project*

The degree requires a capstone project of 3-6 credits to demonstrate advanced competency in the use of knowledge or to create knowledge. The project may center on a field-based project that produces a professional report (CRPR 697) or on a topic of scholarship that produces a research paper (RES 697). With faculty approval a student may engage in a creative project that produces a thesis for 6 credits (THES 698). The program's curriculum prepares students for the capstone project.

*Remaining Electives*

The remaining electives are to be taken in consult with the graduate faculty advisor and include requirements that some electives must be taken at the 600-level. A student who elects a 3-credit research paper or creative project must take at least one elective at the 600-level.

*Credits Transferred from Prior Graduate Study*

Up to 15 credits for the standard and 9 credits for the accelerated concentration earned in prior graduate study outside the department and not resulting in a degree may be applied toward the MURP. Such transfer credits must have

been earned at an accredited institution, demonstrate relevancy for an equivalent course of study of the MURP program, and be approved by the department.

*For students without an undergraduate planning degree accredited by the Planning Accreditation Board.*

PREFIX	NO	SHORT TITLE	CREDITS
PLAN	500	Planning Diagnostic Exam	0
	510	Planning Law	3
	604	Adv Plnng Iss, Thry, and Pract (3)	
		or	
	607	Urban Land-use Planning	3
	605	Des and Present Tech	3
	606	Introduction to Urban Planning	3
	613	Qual Meth and Soc Just	3
	614	Quant Analy	3
	629	Planning Analysis Studio	3
	630	Comprehensive Planning Studio	3
	637	Impact Analysis	3
	690	Planning Portfolio Review	0
	691	Planning Internship	0
	694	Research Methods	3
	699	Planning Comp Exam	0
			30 crs

3-6 credits from

RES	697	Research Paper (3)	
		or	
CRPR	698	Creative Project (3 or 6)	
		or	
THES	698	Thesis (6)	3-6

Remaining Electives, 12-15 credits

- The remaining electives are to be taken in consultation with the graduate faculty advisor.
- A student who elects a 3-credit research paper or creative project must take *at least an additional 15 credits* of electives. At least 6 credits of electives must be at the 600-level.
- Students doing a 6-credit thesis or creative project must take *at least an additional 12 credits* of electives. At least 3 credits must be at the 600-level.

12-15

48 crs

*For students with a Bachelor of Urban Planning and Development (BUPD) or a similar undergraduate degree accredited by the Planning Accreditation Board.*

PLAN	500	Planning Diagnostic Exam	0
	604	Adv Plnng Iss, Thry, and Pract (3)	
		or	
	607	Urban Land-use Planning	3

613	Qual Meth and Soc Just	3
630	Comprehensive Planning Studio	3
637	Impact Analysis	3
690	Planning Portfolio Review	0
691	Planning Internship	0
694	Research Methods	3
699	Planning Comp Exam	0
		<hr/>
		15 crs

3-6 credits from

RES	697	Research Paper (3)	
or			
CRPR	698	Creative Project (3 or 6)	
or			
THES	698	Thesis (6)	3-6

Remaining Electives, 15-18 credits

- The remaining electives are to be taken in consultation with the graduate faculty advisor.
- A student who elects a 3-credit research paper or creative project must take *at least an additional 15 credits* of electives. At least 9 credits must be at the 600-level.
- Students doing a 6-credit thesis or creative project must take *at least an additional 12 credits* of electives. At least 6 credits must be at the 600-level.

15-18

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36 crs

## MILLER COLLEGE OF BUSINESS

**New:**

### MILLER BUSINESS HONORS CORE CURRICULUM

*PREFIX NO SHORT TITLE CREDITS*

Honors sections of:

ACC	201	Principles of Accounting 1	3
	202	Principles of Accounting 2	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
	221	Business Statistics	3
FIN	300	Principles of Finance	3
ISOM	210	Business Information Systems	3
	249	Foundations of Business Comm	3
	351	Operations Management	3
MGT	300	Managing Behavior in Org	3
	491	Bus Policy and Strategy Mgt	3
MKG	300	Principles of Marketing	3

General sections of:

BL	260	Principles of Business Law	3
MATH	132	Brief Calculus	3
HONR	499	Senior Honors Project	3
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			45 crs

**Revised:**

### MINOR IN BUSINESS ADMINISTRATION FOR GRAPHIC ARTS MANAGEMENT, 18 credits

*\*Name change only from Minor in Business Administration*

## Department of Economics

**Revised:**

### MAJOR IN ECONOMICS, FINANCIAL ANALYST CONCENTRATION (BA/BS), 72 credits

*PREFIX NO SHORT TITLE CREDITS*

Miller College of Business core, 45 credits

ACC	201	Principles of Accounting 1	3
	202	Principles of Accounting 2	3
BL	260	Principles of Business Law	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
	221	Business Statistics	3
FIN	300	Principles of Finance	3
ISOM	125	Micro Apps for Business	3
	210	Business Information Systems	3
	249	Foundations of Business Comm	3
	351	Operations Management	3
MATH	132	Brief Calculus	3
MGT	300	Managing Behavior in Org	3
	491	Bus Policy and Strategy Mgt	3
MKG	300	Principles of Marketing	3
			<hr/>
			45 crs

Major core requirements

ACC	301	Intermediate Accounting 1	3
	302	Intermediate Accounting 2	3
ECON	301	Intermediate Microeconomics	3
	302	Intermediate Macroeconomics	3
FIN	301	Intermediate Finance	3
	310	Investments	3
	410	Portfolio Management	3
	445	Financial Statement Analysis	3
			<hr/>
			24 crs

3 credits from

ACC	430	Government and Nonprofit Acctg (3)	
	440	Advanced Financial Accounting (3)	
ECON	369	Internship in Economics (1-6)	
	424	Introduction to Econometrics (3)	

441	Theory of Monetary Policy (3)	3
		72 crs

To pursue this program, students must have sufficient mathematical preparation to meet the prerequisite for ECON 221. The prerequisite for ECON 221 is a C or better grade in MATH 111 or a passing grade (D- or better) in MATH 132, 161, 162, 165, or 166 and a C or higher grade in ISOM 125. MATH 132 simultaneously substitutes for the University Core Curriculum math requirement. All students will be required to take the Major Field Test in Economics before graduation.

To pursue this program, students must have sufficient mathematical preparation to meet the prerequisite for ECON 221. The prerequisite for ECON 221 is a C or better grade in MATH 111 or a passing grade (D- or better) in MATH 132, 161, 162, 165, or 166 and a C or higher grade in ISOM 125. MATH 132 simultaneously substitutes for the University Core Curriculum math requirement.

## Department of Information Systems and Operations Management

### Revised:

#### MAJOR IN BUSINESS ANALYTICS (BA/BS), 66 credits

PREFIX	NO	SHORT TITLE	CREDITS
Miller College of Business core, 45 credits			
ACC	201	Principles of Accounting 1	3
	202	Principles of Accounting 2	3
BL	260	Principles of Business Law	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
	221	Business Statistics	3
FIN	300	Principles of Finance	3
ISOM	125	Micro Apps for Business	3
	210	Business Information Systems	3
	249	Foundations of Business Comm	3
	351	Operations Management	3
MATH	132	Brief Calculus	3
MGT	300	Managing Behavior in Org	3
	491	Bus Policy and Strategy Mgt	3
MKG	300	Principles of Marketing	3
		45 crs	
Business analytics core requirements			
BA	305	Intro to Business Analytics	3
	345	Data Mining for Bus Analytics	3
	436	Data Warehouse and Bus Intel	3
	482	Business Analytics Research	3
ECON	424	Introduction to Econometrics	3
Required disciplinary analytics, 6 credits from			
BA	310	Data Visualization (3)	
CIS	413	Database Management Systems (3)	
ECON	321	Advanced Business Statistics (3)	
	330	Sports Econ (3)	
JOUR	482	Media Analytics in Practice (3)	
LSCM	361	Simulation, Modeling, Optimiz (3)	
MKG	450	Advanced Mkg Res and Analytics (3)	3
		66 crs	

#### MAJOR IN COMPUTER TECHNOLOGY (BA/BS), 79 credits

PREFIX	NO	SHORT TITLE	CREDITS
Core requirement, 43 credits			
CS	110	Intro Comp Sci and Web Prog	3
	120	Comp Sci 1: Prog Fundamentals	4
CT	111	Computer Assembly Trblshooting	3
	210	Fundamentals of Network Design	3
	211	System Admin Fundamentals	3
	221	Alt PC Operating Systems	3
	310	Internetwork Design Admin	3
	311	Infrastructure Services	3
	321	Alt Server Operating Systems	3
	340	Wireless Networks	3
	385	Internship in Computer Tech (1-3)	3
	465	Enterprise Security Admin	3
	466	Capstone Computer Technology	3
MATH	132	Brief Calculus	3
		43 crs	
Electives, 15 credits from (choose 5)			
CT	264	Fund of Defensive Security (3)	
	265	Fund of Offensive Security (3)	
	270	Computer Industrial Electronic (3)	
	299X	Special Topics in Computer Tec (3)	
	300	Sustainability in Info Tech (3)	
	330	Internet Switching and Design (3)	
	363	Intrusion Prevent and Response (3)	
	371	Voice over IP Network - VoIP (3)	
	380	Electronic Communication Admin (3)	
	410	Scalable Internetworking (3)	
	421	Data Storage Disaster Recovery (3)	
	430	Convergent Network Systems (3)	
	440	Directory Services (3)	
	450	Enterpri Infrastructure Design (3)	
	464	Industrial Network Security (3)	
	499	Prob in Computer Technology (3)	15
Complete the following required minor			
Minor in Business Administration for Computer Technology, 21 credits			
CIS	226	Business Systems App Dev	3
	413	Database Management Systems	3
ECON	116	Survey of Economic Ideas	3
ISOM	125	Micro Apps for Business	3
	210	Business Information Systems	3
	300	Project Management	3

MGT	300	Managing Behavior in Org	3
			21 crs
			79 crs

**MINOR IN BUSINESS ANALYTICS, 15 credits**

PREFIX	NO	SHORT TITLE	CREDITS
BA	305	Intro to Business Analytics	3
	345	Data Mining for Bus Analytics	3
	436	Data Warehouse and Bus Intel	3
6 credits from			
BA	310	Data Visualization	3
	482	Business Analytics Research	3
CIS	413	Database Management Systems	3
ECON	321	Advanced Business Statistics	3
	330	Sports Econ	3
	424	Introduction to Econometrics	3
JOUR	482	Media Analytics in Practice	3
LSCM	361	Simulation, Modeling, Optimiz	3
MKG	450	Advanced Mkg Res and Analytics	3
			15 crs

This minor is open only to students in the Miller College of Business or by permission of the department chairperson. CIS 226 is required for CIS 413. ISOM 210 is required for BA 310 and CIS 422. ECON 201 and 221 are required for ECON 330 and 348.

**Department of Management****Suspended:****MASTERS IN RESIDENTIAL PROPERTY MANAGEMENT, 33 credits****Department of Marketing****Suspended:****MASTERS IN FASHION, 33 credits****COLLEGE OF COMMUNICATION, INFORMATION, AND MEDIA****Department of Journalism****Revised:****MAJOR IN ADVERTISING (BA/BS), 48 credits**

PREFIX	NO	SHORT TITLE	CREDITS
CCIM	210	Professional Development	1
JOUR	101	Media and Society	3
	103	Introduction to Media Design	3
	250	Introduction to Advertising	3
	285	Account Management	3
	302	Diversity and Media	3
	348	Strat Comm Emerging Media	3
	352	Media Planning 1	3
	354	Advertising Copy & Layout 1	3
	355	Branding for AD and P R	3
	369	Internship (0-12)	2
	382	Media Theory and Research	3
	456	Advertising Campaigns	3
NEWS	105	Journ Storytelling: Intro	3
	449	Legal and Ethical Issues	3
Select 3 credits from			
JOUR	234	Design 1 (3)	
	368	Strategic Communication Des (3)	3
Select 3 credits from			
JOUR	405	Strat Comm Case Studies (3)	
	452	Media Planning 2 (3)	
	454	Advertising Copy & Layout 2 (3)	3
			48 crs

Students majoring in advertising may add one or more optional concentration areas. If selecting multiple areas or minors outside the journalism department, no more than three credits may overlap. Students selecting an optional concentration area must still complete at least 72 credits in areas outside ICOM, JOUR, NEWS, and TCOM.

*Advertising Sales, 15 credits*

Open only to advertising majors

MKG	300	Principles of Marketing	3
	325	Professional Selling	3
TCOM	340	Electronic Media Sales	3
	344	Electronic Media Promotion	3

3 credits from

ECON	116	Survey of Economic Ideas (3)	
	201	Elementary Microeconomics (3)	3

*Communication Studies, 12 credits*

Not open to students minoring in communication studies

COMM	240	Intro to Personal Comm (3)	
	290	Intercultural Communication (3)	
	320	Persuasion (3)	
	322	Comm and Popular Culture (3)	
	351	Organizational Communication (3)	12

*Emerging Media, 12 credits*

EMDD	101	The Digital World	3
	375	Digital Storytelling	3

6 credits from				SPTA 190	Introduction to Sport Admin	3
EMDD 201	Web Design and Usability (3)					
	210	Introduction to Social Media (3)				
	211	Interactivity Design (3)		3 credits from		
	212	Digital Image Design (3)		ECON 116	Survey of Economic Ideas (3)	
	213	Digital Video Design (3)			201	Elementary Microeconomics (3)
	214	Digital Sound Design (3)		6 credits from SPTA		6
	215	Usability (3)				
	216	Design Thinking (3)	6			48 crs

**MAJOR IN JOURNALISM (BA/BS), 46-48 credits**

				<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
<i>Event Planning and Management, 12 credits</i>							
HOSP	210	Customer Service	3				
	262	Facilities Plan Layout and Des	3				
	376	Intro Event Management	3				
	477	Advanced Event Management	3				
<i>Journalistic Narrative Writing, 12 credits</i>							
JOUR	280	Writing for Magazines	3				
	328	Magazine Feature Writing	3				
	380	Long-form Digital Storytelling	3				
	427	Advanced Narrative Writing	3				
<i>Media Analytics, 9 credits</i>							
JOUR	182	Analytics and Content Strat	3				
	282	Media Analytics Metrics	3				
	482	Media Analytics in Practice	3				
<i>Media Presentation and Design, 15 credits</i>							
JOUR	206	Introduction to Digital Media	3				
	234	Information Design I	3				
	241	Information Design II	3				
	242	Programming Interactive Media	3				
	320	Information Design III	3				
<i>Photojournalism, 12 credits</i>							
JOUR	235	Intro to Photojournalism	3				
	236	Photojournalism Lighting	3				
	335	Assignment Photojournalism	3				
3 credits from							
JOUR	332	Photoj Managing and Editing (3)					
	434	Advanced Photoj Illustration (3)					
	437	Long-form Photojournalism (3)	3				
<i>Public Relations, 12 credits</i>							
Open only to advertising majors							
JOUR	261	Principles of Public Relations	3				
	265	Public Relations Writing Tech	3				
	485	Strat Comm Campaigns	3				
3 credits from							
JOUR	385	Writing Design Strategic Comm (3)					
	397	Immersion: Public Rel Proj (3)	3				
<i>Sport Marketing and Communication, 15 credits</i>							
Open only by permission of the Department of Journalism							
MKG	300	Principles of Marketing	3				

				<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
<i>Core, 18 credits</i>							
CCIM	210	Professional Development	1				
JOUR	101	Media and Society	3				
	103	Introduction to Media Design	3				
	302	Diversity and Media	3				
	369	Internship (0-12)	2				
NEWS	105	Journ Storytelling: Intro	3				
	449	Legal and Ethical Issues	3				
18 crs							

*Journalism Graphics: Information Design and Prototyping Concentration, 28 credits*

Not open to students in other journalism graphics concentration areas

JOUR	206	Introduction to Digital Media	3				
	234	Information Design I	3				
	235	Intro to Photojournalism	3				
	241	Information Design II	3				
	320	Information Design III	3				
	323	Media Design & Branding	3				
	345	Data Analysis & Visualization	3				
EMDD	216	Design Thinking	3				
NEWS	120	Newsgathering: Sourcing	2				
	215	News Editing	2				

*Journalism Graphics: Media Development and Design concentration, 28 credits*

Not open to students in other journalism graphics concentration areas

JOUR	206	Introduction to Digital Media	3				
	234	Information Design I	3				
	235	Intro to Photojournalism	3				
	241	Information Design II	3				
	242	Programming Interactive Media	3				
	323	Media Design & Branding	3				
	345	Data Analysis & Visualization	3				
EMDD	215	Usability	3				
NEWS	120	Newsgathering: Sourcing	2				
	215	News Editing	2				

*Journalism Graphics: Media Development and Analytics concentration, 28 credits*

Not open to students in other journalism graphics concentration areas

JOUR	182	Analytics and Content Strat	3		312	Opinion Writing (3)	
	206	Introduction to Digital Media	3		322	Sportswriting and Reporting (3)	
	234	Information Design I	3	NEWS	418	Specialty Reporting (2-6)	
	235	Intro to Photojournalism	3	TCOM	324	News Videography (3)	
	282	Media Analytics Metrics	3		326	Presentation Techniques (3)	
	342	New Media	3		426	News Producing (3)	6
	345	Data Analysis & Visualization	3				
	482	Media Analytics in Practice	3	3 credits from			
NEWS	120	Newsgathering: Sourcing	2	JOUR	413	Advanced Newswriting Reporting (3)	
	215	News Editing	2	TCOM	422	Adv Video and Audio Reporting (3)	3
<i>Mass Communication concentration, 30 credits</i>				3 credits from			
EMDD	101	The Digital World	3	JOUR	182	Analytics and Content Strat (3)	
	210	Introduction to Social Media	3		282	Media Analytics Metrics (3)	
JOUR	250	Introduction to Advertising	3		482	Media Analytics in Practice (3)	3
	261	Principles of Public Relations	3				
	382	Media Theory and Research	3	<i>Photojournalism concentration, 28 credits</i>			
3 credits from				JOUR	206	Introduction to Digital Media	3
JOUR	182	Analytics and Content Strat (3)			234	Information Design I	3
	282	Media Analytics Metrics (3)			235	Intro to Photojournalism	3
	482	Media Analytics in Practice (3)	3		236	Photojournalism Lighting	3
12 credits from EMDD, JOUR, or NEWS courses (At least 6 credits must be at 300- or 400-level)			12		332	Photoj Managing and Editing	3
					335	Assignment Photojournalism	3
					434	Advanced Photoj Illustration	3
					437	Long-form Photojournalism	3
				NEWS	120	Newsgathering: Sourcing	2
					215	News Editing	2
							46-48 crs
<i>Magazine concentration, 29 credits</i>				<b>MAJOR IN PUBLIC RELATIONS (BA/BS), 48 credits</b>			
JOUR	280	Writing for Magazines	3	<i>PREFIX NO SHORT TITLE CREDITS</i>			
	328	Magazine Feature Writing	3	CCIM	210	Professional Development	1
	380	Long-form Digital Storytelling	3	JOUR	101	Media and Society	3
	427	Advanced Narrative Writing	3		103	Introduction to Media Design	3
NEWS	108	Fndtns Great Storytellers	1		261	Principles of Public Relations	3
	120	Newsgathering: Sourcing	2		265	Public Relations Writing Tech	3
	131	Multimedia: Stills	1		285	Account Management	3
	132	Multimedia: Audio	1		302	Diversity and Media	3
	133	Multimedia: Video	1		348	Strat Comm Emerging Media	3
	215	News Editing	2		355	Branding for AD and P R	3
	233	Specialized Story Form	3		369	Internship (0-12)	2
3 credits from EMDD, JOUR, or NEWS courses			3		382	Media Theory and Research	3
					405	Strat Comm Case Studies	3
3 credits from					465	Public Relations Campaigns	3
JOUR	182	Analytics and Content Start (3)		NEWS	105	Journ Storytelling: Intro	3
	282	Media Analytics Metrics (3)			449	Legal and Ethical Issues	3
	482	Media Analytics in Practice (3)	3	Select 3 credits from			
				JOUR	234	Information Design 1 (3)	
					368	Strategic Communication Des (3)	3
				3 credits from			
				JOUR	385	Writing Design Strategic Comm (3)	
					397	Immersion: Public Rel Project (3-9)	3
6 credits from							48 crs
	311	News Feature Writing (3)					



**Students majoring in public relations may add one or more optional concentration areas.** If selecting multiple concentration areas or minors outside the department of journalism, no more than three credits may overlap. Students selecting an optional concentration area must still complete at least 72 credits in areas outside of ICOM, JOUR, NEWS and TCOM.

*Advertising, 15 credits*

Open only to public relations majors

JOUR	250	Introduction to Advertising	3
	352	Media Planning 1	3
	354	Advertising Copy & Layout 1	3
	485	Strat Comm Campaigns	3

3 credits from

JOUR	452	Media Planning 2 (3)	
	454	Advertising Copy & Layout 2 (3)	3

*Communication Studies, 12 credits*

Not open to students minoring in communication studies

COMM	240	Intro to Interpersonal Comm (3)	
	290	Intercultural Communication (3)	
	320	Persuasion (3)	
	322	Comm and Popular Culture (3)	
	351	Organizational Communication (3)	12

*Emerging Media, 12 credits*

EMDD	101	The Digital World	3
	375	Digital Storytelling	3

6 credits from

EMDD	201	Web Design and Usability (3)	
	210	Introduction to Social Media (3)	
	211	Digital Interactivity Design (3)	
	212	Digital Image Design (3)	
	213	Digital Video Design (3)	
	214	Digital Sound Design (3)	
	215	Usability (3)	
	216	Design Thinking (3)	6

*Event Planning and Management, 12 credits*

HOSP	210	Customer Service	3
	262	Facilities Plan Layout and Des	3
	376	Intro Event Management	3
	477	Advanced Event Management	3

*Journalistic Narrative Writing, 12 credits*

JOUR	280	Writing for Magazines	3
	328	Magazine Feature Writing	3
	380	Long-form Digital Storytelling	3
	427	Advanced Narrative Writing	3

*Media Analytics, 9 credits*

JOUR	182	Analytics and Content Strat	3
	282	Media Analytics Metrics	3
	482	Media Analytics in Practice	3

*Media Presentation and Design, 15 credits*

JOUR	206	Introduction to Digital Media	3
	234	Information Design I	3
	241	Information Design II	3
	242	Programming Interactive Media	3
	320	Information Design III	3

*Photojournalism, 12 credits*

JOUR	235	Intro to Photojournalism	3
	236	Photojournalism Lighting	3
	335	Assignment Photojournalism	3

3 credits from

JOUR	332	Photoj Managing and Editing (3)	
	434	Advanced Photoj Illustration (3)	
	437	Long-form Photojournalism (3)	3

*Sport Marketing and Communication, 15 credits*

Open only by permission of Department of Journalism

MKG	300	Principles of Marketing	3
SPTA	190	Introduction to Sport Admin	3

3 credits from

ECON	116	Survey of Economic Ideas (3)	
	201	Elementary Microeconomics (3)	3

6 credits from SPTA

6

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48 crs

**MINOR IN DIGITAL MEDIA, 18 credits**

*PREFIX NO SHORT TITLE CREDITS*

EMDD	101	The Digital World	3
	215	Usability	3
	375	Digital Storytelling	3

9 credits from

EMDD	201	Web Design and Usability (3)	
	210	Introduction to Social Media (3)	
	211	Interactivity Design (3)	
	212	Digital Image Design (3)	
	213	Digital Video Design (3)	
	214	Digital Sound Design (3)	
	216	Design Thinking (3)	
	299X	Experiment Development Topics (3)	
	390	Ind Studies in Digital Media (3)	
	495	Senior Capstone (3)	9

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18 crs

C or better grades required in each course. This program is offered on-line only.

**MINOR IN JOURNALISTIC STORYTELLING, 22 credits**

*PREFIX NO SHORT TITLE CREDITS*

JOUR	101	Media and Society	3
NEWS	105	Journ Storytelling: Intro	3
	109	Fndtns Ethic Legal Principles	1
	120	Newsgathering: Sourcing	2
	132	Multimedia: Audio	1
	133	Multimedia: Video	1
	215	News Editing	2
	221	Storytelling: Covering Issues	3
6 credits from			
JOUR	280	Writing for Magazines (3)	
	311	News Feature Writing (3)	
	312	Opinion Writing (3)	
	322	Sportswriting and Reporting (3)	
NEWS	418	Specialty Reporting (2-6)	
TCOM	324	News Videography (3)	
	326	Presentation Techniques (3)	
	426	News Producing (3)	6
			<hr/>
			22 crs

**MINOR IN STRATEGIC COMMUNICATIONS,  
15 credits**

PREFIX	NO	SHORT TITLE	CREDITS
JOUR	101	Media and Society	3
	103	Introduction to Media Design	3
	250	Introduction to Advertising	3
	261	Principles of Public Relations	3
NEWS	105	Jour Storytelling: Intro	3
			<hr/>
			15 crs

**Dropped:**

**CERTIFICATE IN JOURNALISTIC VISUAL  
PRESENTATION, 15 credits**

**COLLEGE OF FINE ARTS**

**School of Art**

**Department moratorium:**

**MINOR IN STUDIO ART, 18 credits**

Not open to School of Art BFA Art majors, BA in Studio Art majors, and BA/BS Visual Arts Education majors. Open to all other majors.

PREFIX	NO	SHORT TITLE	CREDITS
3 credits from			
ART	290	Basic Art Media and Techniques (3)	
ADS	101	2D Foundations Studio (3)	

	102	3D Foundations Studio (3)	
	103	4D Foundations Studio (3)	
AFA	101	Drawing Studio (3)	
GCM	180	Intro to Print Process (3)	
9 credits from			
Any ACR, ADS, AFA, AHS, ART, or GCM* courses at 100, 200, or 300 level.**			
<i>(ART 100 and AHS 100 are not options for this requirement. Only 3 credits of AHS courses may be applied in this category.)</i>			
			<hr/>
			9

6 credits from			
Any ACR, ADS, AFA, ART, or GCM* course at 300 level.**			
			<hr/>
			6
			<hr/>
			18 crs

\*GCM (TGRA) courses are not minor options for students majoring in GCM.  
\*\*Special permission and prerequisite courses are required for 200 or 300 level courses not designated for non-majors.

**Revised:**

**MAJOR IN ART (BA), 49 credits**

AHS 101 satisfies the fine arts distribution requirement in the University Core Curriculum.

PREFIX	NO	SHORT TITLE	CREDITS
<i>Art history concentration, 43 credits</i>			
AHS	101	Intro: Global Traditions	3
	102	Intro: Modern Contmp World	3
	201	Art Criticism and Meaning	3
ART	100	Art Orientation	1

3 credits from Asian, African, Islamic, Latin American			
AHS	281	Mexican Art (3)	
	285	Art History: African Art (3)	
	290	Asian Art (3)	
	295	Art History: Islamic Art (3)	
	302	Sp Top Asia African Islam Lat (3)	3

3 credits from Ancient to Early Modern Europe			
AHS	230	Ancient Art (3)	
	241	Gothic Art (3)	
	251	Italian Renaissance Art (3)	
	252	Baroque and Rococo Art (3)	
	303	Sp Top Anc to Early Mod Eur (3)	3

3 credits from Modern and Contemporary			
AHS	220	Art in the United States (3)	
	253	Neoclassicism and Romanticism (3)	
	255	Impressionism Post-Impression (3)	
	261	Modern Art (3)	
	263	Contemporary Art (3)	
	264	Film Analysis (3)	
	265	Feminist Art History (3)	

275	History of Photography (3)	
304	Sp Top American Mod Contemp (3)	
310	History Visual Communication (3)	
311	History Three-Dimension Design (3)	3
6 credits from 200/300/400-level AHS courses		6
3 credits research support elective		
A course in art history (200/300/400-level), studio art (not non-major classes), or another related discipline like psychology, history, women's studies, etc. that supports the student's research interests. If the course is outside the School of Art, it must be approved by art history faculty.		3
6 credits from 400-level AHS courses		
AHS	450 Art Museum Theory and Practice (3)	
	455 Seminar in Art History (3)	
	456 Capstone Seminar in Art Hist (3)	
	480 Art History Senior Thesis (3)	6
9 credits from art studio electives		9
		<hr/>
		43 crs
<i>Studio art concentration, 49 credits</i>		
ADS	101 2D Foundations Studio	3
	102 3D Foundations Studio	3
	103 4D Foundations Studio	3
AFA	101 Drawing Studio	3
AHS	101 Intro: Global Traditions	3
	102 Intro: Modern Contmp World	3
ART	100 Art Orientation	1
	200 Introduction to Computer Art	3
3 credits from		
ACR	418 Ceramics: Senior Project (3)	
	428 Metals: Senior Project (3)	
	438 Glass: Senior Project (3)	
AFA	487 Drawing: Senior Project (3)	
	489 Painting: Senior Project (3)	
	491 Sculpture: Senior Project (3)	
	493 Printmaking: Senior Project (3)	
ART	480 Senior Proj Photo Intermedia (3)	3
12 credits from single area of emphasis as approved by the department. Areas include: ceramics, drawing, glass, metals, painting, photography, printmaking, or sculpture.		12
6 credits from 200-, 300-, and 400-level AHS courses		6
6 credits from art studio electives		6
		<hr/>
		49 crs
<b>MAJOR IN ART (BFA), 85 credits</b>		
AHS 101 satisfies the fine arts distribution requirement in the University Core Curriculum.		

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Core requirements, 25 credits			
ADS	101	2D Foundations Studio	3
	102	3D Foundations Studio	3
	103	4D Foundations Studio	3
AFA	101	Drawing Studio	3
AHS	101	Intro: Global Traditions	3
	102	Intro: Modern Contmp World	3
ART	100	Art Orientation	1
6 credits from 200-, 300-, and 400-level AHS courses			6
<hr/>			
25 crs			
Complete one professional concentration:			
<i>Animation, 60 credits</i>			
AFA	202	Drawing: The Figure	3
	211	Painting: Introduction	3
ART	210	Animation: Introduction to 3D	3
	211	Animation: Trad Techniques	3
	311	Animation: Modeling	3
	312	Animation: Rigging	3
	313	Animation: Specialty	3
	314	Animation: Exp Techniques	3
	315	Animation: Character Design	3
	316	Animation: Storyboarding	3
	411	Animation: Pre-Production	3
	412	Animation: Comp and Motion	3
	414	Animation: Production	3
	490	Animation: Senior Project	3
3 credits from			
ACR	211	Ceramics: Introduction (3)	
	221	Metals: Introduction (3)	
	231	Glass: Introduction (3)	
	233	Glass: Intro to Kiln Sculpting (3)	
AFA	221	Sculpture: Introduction (3)	3
6 credits from			
AFA	301	Drawing: Point of View (3)	
	302	Drawing: Narrative Metaphor (3)	
	303	Drawing: Intermediate Figure (3)	
	304	Drawing: Experimental Figure (3)	
	312	Painting: The Figure (3)	
	314	Painting: Materials Strategies (3)	
	315	Painting: Narrative (3)	6
9 credits from art studio electives			9
			<hr/>
			85 crs
<i>Ceramics, 63 credits</i>			
ACR	211	Ceramics: Introduction	3
	221	Metals: Introduction	3
	231	Glass: Introduction	3
	312	Ceramics: Throwing 1	3
	313	Ceramics: Hand Building 1	3

	314	Ceramics: Throwing 2	3		ACR	211	Ceramics: Introduction (3)	
	315	Ceramics: Hand Building 2	3			221	Metals: Introduction (3)	
	316	Ceramics: Glaze and Kiln Tech	3			231	Glass: Introduction (3)	
	416	Ceramics: Throwing 3	3			233	Glass: Intro to Kiln Sculpting (3)	3
	417	Ceramics: Hand Building 3	3					
	418	Ceramics: Senior Project	3					
	437	Professional Practices 3D	3					
AFA	221	Sculpture: Introduction	3					
ART	200	Introduction to Computer Art	3					
Select one course from the following areas								
AFA	202	Drawing: The Figure (3)						
	211	Painting: Introduction (3)						
	231	Printmaking: Introduction (3)						
ART	231	Photography: B&W Darkroom (3)						
	234	Intermedia: Video (3)						
	301	Digital Fabrication (3)	3					
								85 crs

Select two courses from two different areas

ACR	224	Metals: Intro to Enameling (3)		
	233	Glass: Intro to Kiln Sculpting (3)		
	322	Metals: Forming (3)		
	323	Metals: Casting (3)		
	325	Metals: Fabrication Techniques (3)		
	331	Glass: Special Topics (3)		
	332	Glass: Blowing (3)		
AFA	322	Sculpture 2 (3)		
	323	Sculpture Introduction Casting (3)		
	324	Sculpture: Wood (3)	6	
9 credits from art studio electives			9	
			<hr/>	
			85 crs	

*Drawing, 60 credits*

AFA	202	Drawing: The Figure	3	
	211	Painting: Introduction	3	
	217	Painting: Watercolor	3	
	221	Sculpture: Introduction	3	
	231	Printmaking: Introduction	3	
	405	Drawing: Advanced Topics	3	
	406	Drawing: Independent Direction	3	
	487	Drawing: Senior Project	3	
ART	200	Introduction to Computer Art	3	

9 credits from

AFA	301	Drawing: Point of View (3)		
	302	Drawing: Narrative Metaphor (3)		
	303	Drawing: Intermediate Figure (3)		
	304	Drawing: Experimental Figure (3)	9	

3 credits from

AFA	312	Painting: The Figure (3)		
	313	Painting: Concepts and Context (3)		
	314	Painting: Materials Strategies (3)		
	315	Painting: Narrative (3)	3	

3 credits from


3 credits from

ART	231	Photography: B&W Darkroom (3)		
	234	Intermedia: Video (3)		3

3 credits from

AFA	341	Printmaking: Intaglio 1 (3)		
	351	Printmaking: Lithography 1 (3)		3

12 credits from art studio electives

12

*Glass, 60 credits*

ACR	211	Ceramics: Introduction		3
	221	Metals: Introduction		3
	231	Glass: Introduction		3
	233	Glass: Intro to Kiln Sculpting		3
	331	Glass: Special Topics		3
	332	Glass: Blowing		3
	333	Glass: Casting		3
	334	Glass: Cold Working		3
	335	Glass: Advanced Studio		3
	436	Glass: Advanced Problems		3
	438	Glass: Senior Project		3
AFA	221	Sculpture: Introduction		3
ART	200	Introduction to Computer Art		3

3 credits from

ACR	369	Craft Internship (1-3)		
	437	Professional Practices 3D (3)		3

Select two courses from the following areas

AFA	202	Drawing: The Figure (3)		
	211	Painting: Introduction (3)		
	231	Printmaking: Introduction (3)		
ART	231	Photography: B&W Darkroom (3)		
	234	Intermedia: Video (3)		
	301	Digital Fabrication (3)		6

Select two courses from two different areas

ACR	224	Metals: Intro to Enameling (3)		
	312	Ceramics: Throwing 1 (3)		
	313	Ceramics: Hand Building 1 (3)		
	322	Metals: Forming (3)		
	323	Metals: Casting (3)		
	325	Metals: Fabrication Techniques (3)		
AFA	322	Sculpture: Additive Sub Proc (3)		
	323	Sculpture Introduction Casting (3)		
	324	Sculpture: Wood (3)		6

6 credits from art studio electives

6

			85 crs	AFA 316	Painting: Special Topics (3)	
				317	Painting: Encaustics (3)	3
<i>Metals, 60 credits</i>						
ACR	211	Ceramics: Introduction	3	3 credits from		
	221	Metals: Introduction	3	AFA 301	Drawing: Point of View (3)	
	224	Metals: Intro to Enameling	3	302	Drawing: Narrative Metaphor (3)	
	231	Glass: Introduction	3	303	Drawing: Intermediate Figure (3)	
	322	Metals: Forming	3	304	Drawing: Experimental Figure (3)	3
	323	Metals: Casting	3	3 credits from		
	325	Metals: Fabrication Techniques	3	AFA 341	Printmaking: Intaglio 1 (3)	
	426	Metals: Adv Surface Techniques	3	351	Printmaking: Lithography 1 (3)	
	427	Metals: New Technologies	3	361	Printmaking: Relief 1 (3)	
	428	Metals: Senior Project	3	371	Printmaking: Serigraphy 1 (3)	3
	437	Professional Practices 3D	3	3 credits from		
AFA	221	Sculpture: Introduction	3	ACR 211	Ceramics 1 (3)	
ART	200	Introduction to Computer Art	3	221	Introduction to Metals (3)	
	301	Advanced Computer Art	3	231	Introduction to Glass (3)	
				233	Glass: Intro to Kiln Sculpting (3)	3
Select one course from the following areas						
AFA	202	Drawing: The Figure (3)		3 credits from		
	211	Painting: Introduction (3)		ART 231	Photography: B&W Darkroom (3)	
	231	Printmaking: Introduction (3)		234	Intermedia: Video (3)	3
ART	231	Photography: B&W Darkroom (3)		9 credits from art studio electives		
	234	Intermedia: Video (3)	3			9
Select two courses from two different areas						
ACR	233	Glass: Intro to Kiln Sculpting (3)				85 crs
	312	Ceramics: Throwing 1 (3)		<i>Photography and intermedia arts, 60 credits</i>		
	313	Ceramics: Hand Building 1 (3)		ART 200	Introduction to Computer Art	3
	331	Glass: Special Topics (3)		231	Photography: B&W Darkroom	3
	332	Glass: Blowing (3)		232	Photography: Darkroom to Digital	3
AFA	322	Sculpture: Additive Sub Proc (3)		233	Photography: Digital Imaging	3
	323	Sculpture: Intro Casting (3)		234	Intermedia: Video	3
	324	Sculpture: Wood (3)	6	322	Intermedia: Space and Time	3
9 credits from art studio electives						
			9	330	Photography: Color	3
			85 crs	332	Photography: Special Topics	3
<i>Painting, 54 credits</i>						
AFA	202	Drawing: The Figure	3	480	Senior Proj Photo Intermedia	3
	211	Painting: Introduction	3	AFA 202	Drawing: The Figure	3
	217	Painting: Watercolor	3	211	Painting: Introduction	3
	221	Sculpture: Introduction	3	221	Sculpture: Introduction	3
	231	Printmaking: Introduction	3	231	Printmaking: Introduction	3
	313	Painting: Concepts and Context	3	9 credits from art studio electives		
	314	Painting: Materials Strategies	3	Complete one concentration, 12 credits		
	416	Painting: Adv Studio Practice	3	<u>Concentration 1: Photography</u>		
	417	Independent Direct in Painting	3	ART 323	Intermedia: Special Topics (3)	
	489	Senior Project in Painting	3	or		
ART	200	Introduction to Computer Art	3	333	Photo: Digital Imaging 2 (3)	3
3 credits from						
AFA	312	Painting: The Figure (3)		331	Photography: Lighting (3)	
	315	Painting: Narrative (3)	3	433	Photography: Directions (3)	
3 credits from						
				434	Photography: Adv Direction (3)	9
				<u>Concentration 2: Intermedia arts</u>		
				AFA 322	Sculpture: Additive Sub Proc (3)	
				ART 333	Photo: Digital Imaging 2 (3)	

or				ART	231	Photography: B&W Darkroom (3)	3
Studio elective (3)			3				
323	Intermedia: Special Topics (3)					Select one course (3 credits) from	
424	Intermedia: Advanced Problems (3)		9	ART	234	Intermedia: Video (3)	
					301	Digital Fabrication (3)	3
			85 crs				
<i>Printmaking, 60 credits</i>				Select two courses from two different areas			
AFA	202	Drawing: The Figure	3	ACR	224	Metals: Intro to Enameling (3)	
	211	Painting: Introduction	3		233	Glass: Intro to Kiln Sculpting (3)	
	217	Painting: Watercolor	3		312	Ceramics: Throwing 1 (3)	
	221	Sculpture: Introduction	3		313	Ceramics: Hand Building 1 (3)	
	231	Printmaking: Introduction	3		322	Metals: Forming (3)	
	341	Printmaking: Intaglio 1	3		323	Metals: Casting (3)	
	342	Printmaking: Intaglio 2	3		325	Metals: Fabrication Techniques (3)	
	351	Printmaking: Lithography 1	3		331	Glass: Special Topics (3)	
	352	Printmaking: Lithography 2	3		332	Intermediate Glass Blowing (3)	6
	361	Printmaking: Relief 1	3				
	371	Printmaking: Serigraphy 1	3			9 credits from art studio electives	9
	443	Printmaking: Intaglio 3	3				
	453	Printmaking: Lithography 3	3				85 crs
	493	Printmaking: Senior Project	3				
ART	200	Introduction to Computer Art	3	<i>Visual Communication/Graphic Design, 60 credits</i>			
3 credits from				ADS	200	Design: Comp for Vis Comm	3
AFA	301	Drawing: Point of View (3)			241	Design: Intro to Typo and Tool	3
	302	Drawing: Narrative Metaphor (3)			242	Design: Intro to Design System	3
	303	Drawing: Intermediate Figure (3)			301	Web Design: Coding for Design	3
	304	Drawing: Experimental Figure (3)	3		341	Design: Advanced Practices 1	3
3 credits from					342	Design: Advanced Practices 2	3
ACR	211	Ceramics 1 (3)			441	Design: Research and Prof Prac	3
	221	Introduction to Metals (3)			442	Design: Senior Proj and Port	3
	231	Introduction to Glass (3)		AFA	231	Printmaking: Introduction	3
	233	Glass: Intro to Kiln Sculpting (3)	3	AHS	310	History Visual Communication	3
9 credits from art studio electives				ART	231	Photography: B&W Darkroom	3
			9	6 credits from			
			85 crs	ADS	302	Web Design: Frame, Libr, Inter (3)	
<i>Sculpture, 54 credits</i>				ART	233	Photography: Digital Imaging (3)	
ACR	211	Ceramics 1	3		234	Intermedia: Video (3)	
	221	Introduction to Metals	3		301	Advanced Computer Art (3)	6
	231	Introduction to Glass	3	3 credits from			
	437	Professional Practices 3D	3	ADS	471	Design: Practicum (3)	
AFA	221	Sculpture: Introduction	3		480	Design: Senior Thesis (3)	
	322	Sculpture: Additive Sub Proc	3	ART	369	School of Art Internship (3)	3
	323	Sculpture: Intro Casting	3	3 credits from			
	324	Sculpture: Wood	3	AFA	341	Printmaking: Intaglio 1 (3)	
	325	Sculpture Cast and Mold Making	3		351	Printmaking: Lithography 1 (3)	
	426	Sculpture: Advanced Problems	3		361	Printmaking: Relief 1 (3)	
	491	Sculpture: Senior Project	3		371	Printmaking: Serigraphy 1 (3)	3
ART	200	Introduction to Computer Art	3	3 credits from			
Select two courses (6 credits) from				ACR	211	Ceramics 1 (3)	
AFA	202	Drawing: The Figure (3)			221	Introduction to Metals (3)	
	211	Painting: Introduction (3)			231	Introduction to Glass (3)	
	231	Printmaking: Introduction (3)			233	Glass: Intro to Kiln Sculpting (3)	

AFA	221	Sculpture: Introduction (3)	3
9 credits from art studio electives			9
			<hr/>
			85 crs

### MAJOR IN GRAPHIC ARTS MANAGEMENT (BA/BS), 81 credits

Students preparing for management positions in the graphics industry will complete a departmental major in Graphic Arts Management. Students must select one of two minors: a minor in Business Administration for Graphic Arts Management or a minor in the School of Art. A required internship provides students experience in the graphic communications industry.

PREFIX	NO	SHORT TITLE	CREDITS
Required technical courses			
GCM	180	Graphics: Intro to Print Proc	3
	181	Graphics: Impact Print Proc	3
	182	Graphics: Digital Imaging	3
	183	Graphics: Screen Spec Graph	3
	281	Graphics: Ink and Substrates	3
	283	Graphics: Packaging Tech	3
	285	Graphics: Digital Prepress	3
	286	Graphics: Digital Photography	3
	373	Graphics: Pack Constr and Des	3
	381	Graphics: Color Management	3
	385	Graphics: Cross Media Comm	3
	386	Graphics: Plan and Finish	3
	387	Digital Photography 2	3
Required management courses			
GCM	369	Graphics: Internship	3
	484	Graphics: Pract Graphic Comm	3
	486	Graphics: Adv Mgt Systems	3
	488	Graphics: Cost Analysis	3
	489	Graphics: Quality Control Auto	3
	490	Graphics: Capstone Graphic	3
Required Business Administration or Studio Art minor			18
CHEM	100	People and Chemistry	3
ECON	201	Elementary Microeconomics	3
			<hr/>
			81 crs

### MINOR IN ART HISTORY, 18 credits

Students selecting this minor must receive approval from the Department of Art.

*Open to all majors.* Art majors selecting this minor must take 12 additional credits in AHS beyond the requirements in the major.

PREFIX	NO	SHORT TITLE	CREDITS
6 credits from			
AHS	100	Introduction to Art	3

	101	Intro: Global Traditions	3
	102	Intro: Modern Contmp World	3
(Students may substitute any ACR, ADS, AFA, ART, or GCM studio art course, but only 3 credits may count in this category).			

9 credits from			
Any AHS course 200, 300, or 400 level			9

3 credits from			
AHS	450	Introduction to Art (3)	
	455	Seminar in Art History (3)	3
			<hr/>
			18 crs

### MINOR IN DIGITAL PUBLISHING, 18 credits

PREFIX	NO	SHORT TITLE	CREDITS
GCM	180	Intro to Print Process	3
	182	Digital Imaging	3
	184	Computer Applications	3
	285	Digital Prepress	3
	381	Color Management	3
	385	Cross Media Comm	3
			<hr/>
			18 crs

### MINOR IN PRINT PRODUCTION, 18 credits

PREFIX	NO	SHORT TITLE	CREDITS
Required technical courses			
GCM	180	Intro to Print Process	3
	181	Impact Print Process	3
	183	Screen Specialty Graphics	3
	283	Packaging Technology	3
	381	Color Management	3
	386	Planning and Finishing	3
			<hr/>
			18 crs

### TEACHING MAJOR IN VISUAL ARTS (ALL-GRADE) (BA/BS), 94 credits

PREFIX	NO	SHORT TITLE	CREDITS
ADS	101	2D Foundations Studio	3
	102	3D Foundations Studio	3
	103	4D Foundations Studio	3
AED	201	Art Education: Introduction	3
	304	Art Education: Curr and Instr	3
	305	Art Education: Elem Tch Pract	3
	399	Art Education: Sec Mthds and Mater	3
AFA	101	Drawing Studio	3
AHS	101	Intro: Global Traditions	3
	102	Intro: Modern Contmp World	3
	201	Art Criticism and Meaning	3
ART	100	Art Orientation	1
	200	Introduction to Computer Art	3

3 credits from 200-, 300-, or 400-level AHS courses	3
12 credits from	
ACR 211 Ceramics: Introduction (3)	
221 Metals: Introduction (3)	
231 Glass: Introduction (3)	
233 Glass: Intro to Kiln Sculpting (3)	
AFA 202 Drawing: The Figure (3)	
211 Painting: Introduction (3)	
217 Painting: Watercolor (3)	
221 Sculpture: Introduction (3)	
231 Printmaking: Introduction (3)	
ART 231 Photo: B&W Darkroom (3)	
321 Intermedia: Video (3)	12

6 credits from studio area specialty:  
 Two courses (plus one from above) in a single studio area (ceramics, drawing, metals, painting, photography and intermedia arts, printmaking, sculpture, and glass) 6

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58 crs

**ALL-GRADE EDUCATION PROGRAM**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
<i>Professional education sequence, 36 credits</i>			
EDAL	470	Student Teaching: All-Grade (6-7)	7
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDJH	385	Prin of Tchng in Mid Schl	3
EDMU	205	Intro to Multicul Ed	3
EDPS	250	Human Growth Development	3
	390	Educational Psychology	3
EDSE	150	Basic Concepts of Secondary Ed	3
	320	Read Div Sec Cont Class	3
	380	Princ of Tchng in Sec School	3
	465	Elective Student Teaching (3 or 5)	5
			<hr/>
			36 crs
			<hr/>
			94 crs

**School of Music**

**Revised:**

**BACHELOR IN MUSIC EDUCATION (BME),  
102-121 credits**

*Instrumental and General Music Licensing concentration*

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MUHI	200	Survey of Music Literature	2
	330	Music History	3
	331	Music History 2	3
MUSC	499	Recital	1
MUSE	250	Brass Techniques	2
	252	Woodwind Techniques 1	2
	253	Woodwind Techniques 2	2

	254	Percussion Techniques	1
	256	String Techniques	2
	390	Instrumental Laboratory (.5)	1
MUSP	290	Introduction to Conducting	2
	390	Instrumental Cond and Reh Tech	2
MUST	101	Sight Singing and Ear Training	1
	102	Sight Singing and Ear Training	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Singing and Ear Training	1
	202	Sight Singing and Ear Training	1
	211	Music Theory	2
	212	Music Theory	2
	311	Mus Thry: Form and Analy	2

7 credits from

MUSC	340	Large Instrumental Ensemble (.5-3)	
	341	Large Instrumental Ensemble (.5-3)	7

12 credits from

MUSP	201	Applied Principal Study (1-4)	
	401	Applied Principal Study (1-4)	12

2 credits from

MUSP	325	Secondary Study (Piano) (1)	
	326	Group Piano (1)	2

2 credits from

MUST	411	Instrumentation and Orchestrtn (2)	
	413	Band Arranging (2)	2

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60 crs

**Additional Requirements – Professional Education**

MUSE	100	Intro to Music Ed 1	2
	150	Intro to Music Ed 2	2
	350	Contemporary Issues Music Ed	2
	351	Elem General Music Methods	3
	353	Secondary Generl Music Methods	3
	355	Instrum Music Methods (String)	3
	375	Instrum Music Methods (Band)	3
	470	Student Teaching in Music	7
EDMU	205	Intro to Multicul Ed	3
EDPS	250	Human Growth Development	3
	390	Educational Psychology	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDSE	465	Elective Student Teaching	5

102 crs

C or better grades are required in all MUSE courses to satisfy prerequisites. See Professional Education Assessment/Decision Points for additional information.

*Vocal and General Music Licensing concentration*

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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MUHI	200	Survey of Music Literature	2
	330	Music History	3
	331	Music History 2	3
MUSC	499	Recital	1
MUSE	258	Voice Techniques	2
	391	Choral Laboratory (.5)	1
	457	Spec'l Approaches: Voc Gen Maj	3
MUSP	290	Introduction to Conducting	2
	391	Choral Conducting and Reh Tech	2
	398	Diction for Singers	2
MUST	101	Sight Singing and Ear Training	1
	102	Sight Singing and Ear Training	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Singing and Ear Training	1
	202	Sight Singing and Ear Training	1
	211	Music Theory	2
	212	Music Theory	2
	311	Mus Thry: Form and Analy	2
	410	Choral Arranging	2
7 credits from			
MUSC	350	Large Vocal Ensemble (1-3)	
	351	Large Vocal Ensemble (.5-3)	7
12 credits from			
MUSP	201	Applied Principal Study (1-4)	
	401	Applied Principal Study (1-4)	12
4 credits from			
MUSP	325	Secondary Study (Piano) (1)	
	326	Group Piano (1)	4
			60 crs
Additional Requirements – Professional Education			
MUSE	100	Intro to Music Ed 1	2
	150	Intro to Music Ed 2	2
	350	Contemporary Issues Music Ed	2
	351	Elem General Music Methods	3
	353	Secondary Generl Music Methods	3
	356	Choral Music Methods 1	3
	376	Choral Music Methods 2	3
	470	Student Teaching in Music	7
EDMU	205	Intro to Multicul Ed	3
EDPS	250	Human Growth Development	3
	390	Educational Psychology	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDSE	465	Elective Student Teaching	5
			102 crs

Please note that dual licensing programs are designed as four and a half year programs of study and will require additional time to degree.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MUHI	200	Survey of Music Literature	2
	330	Music History	3
	331	Music History 2	3
MUSC	499	Recital	1
MUSE	250	Brass Techniques	2
	252	Woodwind Techniques 1	2
	253	Woodwind Techniques 2	2
	254	Percussion Techniques	1
	256	String Techniques	2
	258	Voice Techniques	2
	390	Instrumental Laboratory (.5)	1
	391	Choral Laboratory (.5)	1
	457	Spec'l Approaches: Voc Gen Maj	3
MUSP	202	Secondary Study (1-4)	3
	290	Introduction to Conducting	2
	390	Instrumental Cond and Reh Tech	2
MUST	101	Sight Singing and Ear Training	1
	102	Sight Singing and Ear Training	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Singing and Ear Training	1
	202	Sight Singing and Ear Training	1
	211	Music Theory	2
	212	Music Theory	2
	311	Mus Thry: Form and Analy	2
12 credits from			
MUSP	201	Applied Principal Study (1-4)	
	401	Applied Principal Study (1-4)	12
2 credits from			
MUST	411	Instrumentation and Orchestrtn (2)	
	413	Band Arranging (2)	2
7 credits from			
MUSC	340	Large Instrumental Ensemble (.5-3)	
	341	Large Instrumental Ensemble (.5-3)	7
2 credits from			
MUSC	350	Large Vocal Ensemble (1-3)	
	351	Large Vocal Ensemble (.5-3)	2
4 credits from			
MUSP	325	Secondary Study (Piano) (1)	
	326	Group Piano (1)	4
			73 crs

C or better grades are required in all MUSE courses to satisfy prerequisites. See Professional Education Assessment/Decision Points for additional information.

*Dual: Instrumental w/Vocal Add-on Licensing concentration*

Additional Requirements – Professional Education			
MUSE	100	Intro to Music Ed 1	2
	150	Intro to Music Ed 2	2

	350	Contemporary Issues Music Ed	2
	351	Elem General Music Methods	3
	353	Secondary Generl Music Methods	3
	355	Instrum Music Methods (String)	3
	356	Choral Music Methods 1	3
	375	Instrum Music Methods (Band)	3
	376	Choral Music Methods 2	3
	470	Student Teaching in Music	7
EDMU	205	Intro to Multicul Ed	3
EDPS	250	Human Growth Development	3
	390	Educational Psychology	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDSE	465	Elective Student Teaching	5

121 crs

C or better grades are required in all MUSE courses to satisfy prerequisites. See Professional Education Assessment/Decision Points for additional information.

*Dual: Vocal w/Instrumental Add-on Licensing concentration*

Please note that dual licensing programs are designed as four and a half year programs of study and will require additional time to degree.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MUHI	200	Survey of Music Literature	2
	330	Music History	3
	331	Music History 2	3
MUSC	499	Recital	1
MUSE	250	Brass Techniques	2
	252	Woodwind Techniques 1	2
	253	Woodwind Techniques 2	2
	254	Percussion Techniques	1
	256	String Techniques	2
	258	Voice Techniques	2
	390	Instrumental Laboratory (.5)	1
	391	Choral Laboratory (.5)	1
	457	Specl Approaches: Voc Gen Maj	3
MUSP	202	Secondary Study (1-4)	3
	290	Introduction to Conducting	2
	391	Choral Conducting and Reh Tech	2
	398	Diction for Singers	2
MUST	101	Sight Singing and Ear Training	1
	102	Sight Singing and Ear Training	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Singing and Ear Training	1
	202	Sight Singing and Ear Training	1
	211	Music Theory	2
	212	Music Theory	2
	311	Mus Thry: Form and Analy	2
	410	Choral Arranging	2

12 credits from

MUSP	201	Applied Principal Study (1-4)	
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	401	Applied Principal Study (1-4)	12
		2 credits from	
MUSC	340	Large Instrumental Ensemble (.5-3)	
	341	Large Instrumental Ensemble (.5-3)	2
		7 credits from	
MUSC	350	Large Vocal Ensemble (1-3)	
	351	Large Vocal Ensemble (.5-3)	7
		4 credits from	
MUSP	325	Secondary Study (Piano) (1)	
	326	Group Piano (1)	4

73 crs

**Additional Requirements – Professional Education**

MUSE	100	Intro to Music Ed 1	2
	150	Intro to Music Ed 2	2
	350	Contemporary Issues Music Ed	2
	351	Elem General Music Methods	3
	353	Secondary Generl Music Methods	3
	355	Instrum Music Methods (String)	3
	356	Choral Music Methods 1	3
	375	Instrum Music Methods (Band)	3
	376	Choral Music Methods 2	3
	470	Student Teaching in Music	7
EDMU	205	Intro to Multicul Ed	3
EDPS	250	Human Growth Development	3
	390	Educational Psychology	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDSE	465	Elective Student Teaching	5

121 crs

C or better grades are required in all MUSE courses to satisfy prerequisites. See Professional Education Assessment/Decision Points for additional information.

**New:**

**MINOR IN MUSIC RECORDING, 26 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MUHI	105	Mus and Pop Culture in America	3
MUST	101	Sight Singing and Ear Training	1
	111	Music Theory	2
MMP	125	Acoustics	3
	235	Recording Technology 1	3
	236	Recording Technology 2	3
	330	Live Sound and Recording	3
	430	Production Workshop	3

5 credits from

MMP	100	Survey of the Music Industry (3)	
	201	Pro Tools 101 (1)	
	202	Pro Tools 110 (1)	
	220	Electronics and Studio Mainten (2)	

	335	Mixing (3)	
	491	Indep Study in Mus Engin Tech (1-3)	
	492	Special Topics (1-6)	
MUST	100	Fundamentals of Music Theory (3)	
	122	Acoustics for Musicians (3)	
	241	Computer Music 1 (3)	
MUSC	340	Large Instrumental Ensemble (.5-1)	
	341	Large Instrumental Ensemble (.5-1)	
	350	Large Vocal Ensemble (1-3)	
	351	Large Vocal Ensemble (.5-1)	
MUSP	202	Secondary Study (1-4)	5
			<hr/>
			26 crs

Not open to majors in Music Media Production.

### Revised:

#### CERTIFICATE IN ENTREPRENEURIAL STUDIES IN MUSIC, 17 credits

PREFIX	NO	SHORT TITLE	CREDITS
ECON	116	Survey of Economic Ideas (3)	
	or		
	201	Elementary Microeconomics (3)	3
ENT	241	The Entrepreneurial Experience	3
MUSP	495	Entrepre Musicians: Seminar	2
	496	Entrepre Musicians: Practicum	3
	497	Entrepre Musicians: Capstone	3
3 credits from			
ACC	200	Accounting for New Ventures (3)	
BUSA	302	Career Management (3)	
ENT	342	Marketing for New Ventures (3)	
	343	Venture Leadership (3)	
FIN	243	New Venture Finance (3)	
	300	Principles of Finance (3)	3
			<hr/>
			17 crs

#### Certificate in Entrepreneurial Studies in Music, 17 credits

PREFIX	NO	SHORT TITLE	CREDITS
ACC	501	Financial Accounting	3
MKG	505	Survey of Marketing	3
MUSP	595	Performance Career Seminar 1	2
	596	Performance Career Seminar 2	3
	597	Capstone Entrepreneurial Music	3
3 credits from			
MGT	500	Managing Org Behavior (3)	
MUSC	692	Special Topics in Music (1-6)	
MUSP	692	Special Topics (1-6)	
MUST	692	Special Topics (1-4)	3
			<hr/>
			17 crs

### Revised:

#### MAJOR IN THEATRE (BFA), 85-87 credits

PREFIX	NO	SHORT TITLE	CREDITS
Core requirements, 32 credits			
THEA	102	Branding and Marketing	1
	103	Aesthetics of Theatre 1	3
	104	Aesthetics of Theatre 2	3
	105	Freshman Experience	1
	107	Design Awareness	3
	220	Stagecraft	3
	232	Acting 1	3
	250	Directing 1	3
	280	Theatre and Dance Practicum (0-1)	2
	317	Pre-Modern Theatre History	3
	319	Modern Theatre History	3
	405	Senior Experience	1
	435	Shakespeare Performance	3
			<hr/>
			32 crs

Complete one professional specialization

*Acting concentration, 53 credits*

Required courses

THEA	229	Stage Makeup Design and Tech 1	2
	233	Acting 2	3
	332	Freshman Performance Lab	1
	333	Intro to Voice and Movement	2
	334	Studio 1	3
	335	Studio 2	3
	336	Studio 3	3
	337	Studio 4	3
	338	Studio 5	3
	339	Studio 6	3
	341	Acting Master Class (1)	4
	353	Acting and Directing History	3
	430	Studio 7	3
	431	Studio 8	3
	432	Studio 9	3
	433	Studio 10	3
	434	Immersion Experience (1-12)	3

Electives, 5 credits from

THEA	434	Immersion Experience (1-12)	
	496	Directed Study (1-9)	
	499	Internships (0-9)	5
			<hr/>
			85 crs

The Acting BFA concentration is designed as a pre-professional, conservatory style program within a liberal arts education. Curriculum and performance opportunities are designed to prepare students for careers in theatre and/or advanced training at quality graduate schools or conservatories. Acting students are selected for this degree program by audition. In addition, acting students must have yearly interviews and pass yearly juried auditions every semester. Students failing to pass a jury at the end of each

## Department of Theatre and Dance

semester are considered to be on probationary status; any student failing a jury or not maintaining the appropriate degree program grade-point average for a second semester will be dropped from the program. Students are required to audition for all mainstage production season shows except fall of freshman year and spring of senior year. Students may opt out of auditions for Chicago Showcase, New York Showcase, and the L.A. Experience. All seniors must complete the three-credit One Person Show offered as THEA 434 in the spring of their senior year.

*Musical theatre concentration, 53 credits*

Required courses

DANC	280	Musical Theatre Dance 1	2
	281	Musical Theatre Dance 2	2

Two credits in increasing difficulty from

DANC	110	Intro to Ballet 1 (1)	
	111	Intro to Ballet 2 (1)	
	210	Ballet 1 (2)	
	211	Ballet 2 (2)	
	310	Ballet 3 (2)	2

Three credits in increasing difficulty from

DANC	130	Intro to Jazz 1 (1)	
	131	Intro to Jazz 2 (1)	
	230	Jazz 1 (2)	
	231	Jazz 2 (2)	
	330	Jazz 3 (2)	3

Two credits in increasing difficulty from

DANC	132	Intro to Tap 1 (1)	
	232	Tap 1 (1)	
	332	Tap 2 (1)	2

THEA	229	Stage Makeup Design and Tech 1	2
	233	Acting 2	3
	270	Basic Musicianship 1	2
	271	Basic Musicianship 2	2
	272	Sight Singing 1	1
	273	Sight Singing 2	1
	274	Musical Theatre Ensemble	1
	324	Musical Theatre History	3
	328	Voice Lesson (1-2)	8
	332	Freshman Performance Lab	1
	334	Studio 1	3
	335	Studio 2	3
	371	Singing Actor 1	2
	372	Singing Actor 2	2
	373	Musical Theatre Scene Study	1
	430	Studio 7	3
	433	Studio 10	3
	434	Immersion Experience (1-12)	3

87 crs

Students are expected to take or place out of THEA 333. The Musical Theatre BFA concentration is designed as a pre-professional, conservatory style program within a liberal arts

education. This interdisciplinary concentration requires course work in dance, music, and theatre. Curriculum and performance opportunities are designed to prepare students for careers in musical theatre and/or advanced training at quality graduate schools or conservatories. Musical theatre students are selected for this degree program by audition. In addition, musical theatre students must pass juried semester auditions in acting, dance, and singing. Students failing to pass a jury at the end of each semester are considered to be on probationary status; any student failing a jury or not maintaining the appropriate degree program grade-point average for a second semester will be dropped from the program. All students are to audition for all departmental production seasons except for fall of freshman year and spring of senior year. All seniors must take part in the THEA 434 Cabaret Class offered in the fall of their senior year.

**MINOR IN NEW WORKS FOR THE STAGE,  
19-21 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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Core requirements, 3 credits

THEA	340	Playwriting 1	3
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Writing category, at least 6 credits from

THEA	380	Advanced Practicum (1-9)	
ENG	285	Intro to Creative Writing (3)	
	308	Poetry Writing (3)	
	310	Screenwriting (3)	
	408	Adv Poetry Writing (3)	
	409	CW in the Community (3)	
	410	Adv Screenwriting (3)	
MMP	301	Songwriting (2)	
MUST	100	Fundamentals of Music Theory (3)	
	101	Sight Singing and Ear Training (1)	
	102	Sight Singing and Ear Training (1)	
	111	Music Theory (2)	
	112	Music Theory (2)	
	221	Music Composition 1 (2)	
	222	Music Composition 2 (2)	

or other class approved by program coordinator 5-6

Performance category, at least 5-6 credits from

THEA	232	Acting 1 (3)	
	233	Acting 2 (3)	
	339	Studio 6 (3)	
	434	Immersion Experience (1-12)	
DANC	287	Improvisation (2)	

3 credits of DANC studio coursework as approved by program coordinator

3 credits of MUSP studio coursework as approved by program coordinator

3 credits of MUSC studio coursework as approved by program coordinator

Or other class approved by program coordinator	5-6
Direction and Production category, at least 2-3 credits from	
THEA 250	Directing 1 (3)
	299X Experimental Topics (0-12)
	322 Theatre of the 21st Century (3)
	325 Dramaturgy (3)
	350 Directing 2 (3)
	380 Advanced Practicum (1-9)
	491 Theatre Management (3)
DANC 387	Choreography 1 (2)
	487 Choreography 2 (2)
MMP 125	Acoustics (3)
	235 Recording Technology 1 (3)
	236 Recording Technology 2 (3)
	330 Live Sound and Recording (3)
	430 Production Workshop (3)
Or other class approved by program coordinator	2-3

At least 3 credits of electives from any of the above 3 categories 3  


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19-21 crs

This minor encourages the creation of new work for the stage through interdisciplinary practice. Students are required to take nineteen to twenty-one credits of coursework, only six of which can be counted for their major or other minors.

Before the student's final semester, the student will submit to the coordinator a two to three page proposal for a final public presentation or dissemination of a cumulative portfolio of work created during the minor coursework. This portfolio can consist of a number of smaller works from various disciplines or a single interdisciplinary work. Dissemination of this portfolio must be completed before the minor is awarded.

## COLLEGE OF SCIENCES AND HUMANITIES

### Interdepartmental Programs

#### Revised:

#### TEACHING MAJOR IN LIFE SCIENCE (Grades 5-12), (BA/BS), 94 credits

PREFIX	NO	SHORT TITLE	CREDITS
ANAT	201	Fundamentals of Human Anatomy	3
BIO	111	Principles of Biology 1	4
	112	Principles of Biology 2	4
	210	Introduction to Botany	3
	214	Genetics	4
	215	Cell Biology	3
	216	Ecology	3

	313	Microbiology	4
	315	Methods in Cell Biology (2)	
		or	
	316	Methods in Ecology (2)	2
	440	Evolution	3
CHEM	111	General Chemistry 1	4
	112	General Chemistry 2	4
	230	Org Chem Life Sciences	3
	241	Organic Laboratory 1	1
MATH	181	Elementary Probability Stats (3)	
		or	
BIO	448	Biometry (3)	3
PHYC	110	General Physics 1	4
PHYS	205	Fund of Hum Phys	3
			55 crs

### SENIOR HIGH, JUNIOR HIGH/MIDDLE SCHOOL EDUCATION PROGRAM

PREFIX	NO	SHORT TITLE	CREDITS
<i>Professional education sequence, 39 credits</i>			
SCI	150	Intro Teach Sci in Sec Schools	3
	295	Intro to the Teaching of Sci	3
	396	Using Sci Methods and Mats	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDMU	205	Intro to Multicul Ed	3
EDPS	251	Development Secondary	3
	390	Educational Psychology	3
EDSE	320	Read Div Sec Cont Class	3
	380	Princ of Tchng in Sec School	3
	460	Student Tchng: Sec Schl (6-7)	7
	465	Elective Student Teaching (3 or 5)	5
			39 crs
			94 crs

### Department of Anthropology

#### Suspended:

MASTER OF ARTS IN ANTHROPOLOGY,  
32-38 credits

### Department of Computer Science

#### Dropped:

COGNATE IN SOFTWARE ENGINEERING,  
15 or 24 credits

#### Suspended:

MASTER OF SCIENCE IN COMPUTER SCIENCE,  
30 credits

**Department of Geological Sciences**

**Revised:**

**Master of Arts in Environmental Geoscience, 30 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Environmental Science Foundation courses			
BIO	656	Ecosystem Ecology	3
CHEM	627	Analy Chem in Env Sci	3
GEOG	625	GIS for Environmental Science	3
GEOL	601	Seminar in Environmental Geology	3
	602	Geoscience Colloquium	3
			15 crs

Numerical Methods, choose 3 credits from the following:

BIO	657	Multiv Analy and Envir Data (3)	
GEOG	618	Quant Methods in Environ Geog (3)	3

Research methods requirement

NREM	608	Research Methods	3
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Approved 600-level graduate electives GEOL or NREM 9

30 crs

**Master of Science in Geology and Natural Resources, 30 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Core requirements			
GEOL	602	Geoscience Colloquium	3
NREM	608	Research Methods	3
			6 crs

Course requirements, 12 credits as directed by the thesis committee from

GEOL	600	Seminar in Geology (1-3)	
	601	Seminar Environmental Geology (1-3)	
	605	Seminar in Stratigraphy (3)	
	610	Seminar Sedimentary Petrology (3)	
	626	Seminar in Tectonics (3)	
	650	Seminar in Advanced Hydrology (3)	
	660	Seminar in Hydrogeology (3)	
	670	Seminar in Envir Geochemistry (3)	
	671	Seminar in Geomorphology (3)	
	685	Geology Research Methods (3)	
NREM	609	Seminar (3)	
	615	Water Quality Management (3)	
	622	Soil Quality (3)	
	627	Soil Conversation and Mgmt (3)	
	642	Air Quality Management (3)	
	652	Air, Water and Soil Pollution (3)	

687	Solid and Hazardous Waste Mgt (3)	
688	Site Assessment and Remed (3)	12

Thesis requirement

THES	698	Thesis (1-6)	6
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Approved graduate electives in GEOL or NREM 6

30 crs

**Department of Mathematical Sciences**

**Revised:**

**MAJOR IN ACTUARIAL SCIENCE (BS), 59-60 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MATH	165	Calculus 1	4
	166	Calculus 2	4
	217	Linear Algebra	4
	251	Intro to Mathematics of Financ	2
	259	Intro to Actuarial Software	3
	267	Calculus 3	4
	320	Probability	4
	321	Mathematical Statistics	4
	351	Mathematics of Finance	3
	354	Exam Prep for Exam P/1 (3)	
or			
	355	Exam Prep for Exam FM/2 (3)	3
	452	Long-Term Actuarial Math 1	4
	454	Statistics for Risk Modeling	4
	457	Short-Term Actuarial Math 1	4
	498	Senior Seminar	2
RMI	270	Principles of Risk Mgt and Ins	3
			52 crs

7-8 credits from

MATH	354	Exam Prep for Exam P/1 (3)	
	355	Exam Prep for Exam FM/2 (3)	
	453	Long-Term Actuarial Math 2 (4)	
	458	Short-Term Actuarial Math 2 (3)	
	459	Investments Financial Markets (4)	
RMI	330	Employee Benefits and Ret Plan (3)	
			7-8

59-60 crs

Students who pass both the Society of Actuaries Exam P/1 and FM/2 must take a 3 credit course to replace the required MATH 354 or 355. The replacement course must be selected from the electives list.

This program leads to a Bachelor of Science degree only. All students will be required to complete a survey designated by the department in the semester in which they graduate.

The following additional courses are strongly recommended, as they satisfy the Validation by Educational Experience requirements of the actuarial societies: ACC 201, ECON 201, ECON 202, and FIN 300. Students are encouraged to take PHYC 120 which satisfies the TIER 1 natural science requirement in the University Core Curriculum.

**MAJOR IN MATHEMATICAL SCIENCES (BA/BS),  
56-57 credits**

<i>PREFIX NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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Common core

MATH 165	Calculus 1	4
166	Calculus 2	4
215	Discrete Systems	4
217	Linear Algebra	4
267	Calculus 3	4
320	Probability	4
374	Differential Equations	3
411	Abstract Algebra 1	3
462	Numerical Analysis 1	3
471	Real Analysis 1	3
498	Senior Seminar	2

Complete one concentration

*Concentration 1: Mathematics, 18 credits*

MATH 412	Abstract Algebra 2	3
472	Real Analysis 2	3

12 credits from

MATH 377	Complex Analysis (3)	
415	Coding and Communication (3)	
416	Theory of Numbers (3)	
441	Geometry and Topology (3)	
445	Differential Geometry (3)	
473	Boundary Value Problems (3)	
475	Topics Partial Dif Equations (3)	
	or as approved	12
		56 crs

Mathematical science students are encouraged to take CS 120 and PHYC 120. PHYC 120 satisfies the TIER 1 natural science requirement in the University Core Curriculum. Students are strongly advised to deepen their understanding of aspects of the program by selecting additional courses in areas such as business, computer science, finance, economics, or physics. By selecting additional courses appropriately, a student can earn a related minor in computer science, physics, or foundations of business for actuarial science and mathematics majors.

*Concentration 2: Applied Mathematics, 19 credits*

MATH 321	Mathematical Statistics	4
335	Mathematical Models	3

12 credits from

MATH 377	Complex Analysis (3)	
412	Abstract Algebra 2 (3)	
415	Coding and Communication (3)	

416	Theory of Numbers (3)	
422	Theory Sampling and Surveys (3)	
428	Regression Time Series Models (3)	
429	Analysis Variance Exp Design (3)	
441	Geometry and Topology (3)	
445	Differential Geometry (3)	
456	Intro Operations Research (3)	
472	Real Analysis 2 (3)	
473	Boundary Value Problems (3)	
475	Topics Partial Dif Equations (3)	
	Or as approved	12

57 crs

Mathematical science students are encouraged to take CS 120 and PHYC 120. PHYC 120 satisfies the TIER 1 natural science requirement in the University Core Curriculum. Students are strongly advised to deepen their understanding of aspects of the program by selecting additional courses in areas such as business, computer science, finance, economics, or physics. By selecting additional courses appropriately, a student can earn a related minor in computer science, physics, or foundations of business for actuarial science and mathematics majors.

**MASTER OF ARTS IN ACTUARIAL SCIENCE,  
30-33 credits**

The master's program in actuarial science provides training for careers that involve analyzing and solving financial, business, and social problems related to economic risk. The program includes course work that prepares students for the professional examinations given by the Society of Actuaries and the Casualty Actuarial Society. Students taking THES 698 are expected to make an oral presentation on their thesis topic, at the discretion of the committee.

**Degree requirements**

<i>PREFIX NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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Financial Mathematics, 3-4 credits

MATH 651	Mathematics of Finance (4)	3-4
(Program advisor will approve 3-4 credit substitution in financial mathematics for students who have passed Exam FM.)		
MATH 652	Long-Term Actuarial Math 1	4
653	Long-Term Actuarial Math 2	4

Probability, 3-4 credits

MATH 620	Probability and Random Vars (4)	3-4
(Program advisor will approve 600-level 3-4 credit substitution in probability/statistics for students who have passed Exam P.)		

MATH 557	Short-Term Actuarial Math 1	4
621	Theory of Statistics	4
692	Actuarial Science Exit Survey	0

3-8 credits from

MATH 559	Investment Financial Markets (4)	
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624	Intro to Statistical Learning (3)	
627	General Linear Model Applicat (3)	
628	Comput Methods in Statistics (3)	
629	Introductory Survival Analysis (3)	
654	Short-Term Actuarial Math 2 (3)	
655	Topics in Actuarial Science (1-4)	
656	Bayes Methods and Linear Mixed (4)	3-8

More credits from this list will be required if courses are waived due to undergraduate or actuarial exam credit.

Research component, 3-6 credits from

MATH	659	Research in Actuarial Science (3)	
THES	698	Thesis (6)	3-6
			<hr/>
			30-33 crs

### Master of Arts in Mathematics, 30-31 credits

The master's degree in mathematics provides students with a broad graduate-level mathematical background suitable for community college teaching, for pursuing a PhD degree in the mathematical sciences, or for seeking employment in business, industry, or government. Students pursuing the master of science degree will be required to write a 6-credit thesis. Students taking THES 698 are expected to make an oral presentation on their thesis topic, at the discretion of the committee.

For a master of arts or master of science degree, a maximum of four 500-level courses will count towards meeting the requirements for the degree.

#### Degree requirements

PREFIX	NO	SHORT TITLE	CREDITS
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Algebra, 6 credits

MATH	511	Abstract Algebra 1	3
	512	Abstract Algebra 2	3

(If the undergraduate equivalent is not complete.

Otherwise course substitutions in algebra will be made in conjunction with the program advisor.)

Analysis, 6 credits

MATH	571	Real Analysis 1	3
	572	Real Analysis 2	3

(If the undergraduate equivalent is not complete.

Otherwise course substitutions in analysis will be made in conjunction with the program advisor.)

MATH	645	Topology 1	3
	675	Measure Thry and Integration 1	3
	677	Complex Variables 1	3

3-7 credits from

MATH	515	Coding and Communication (3)	
	516	Theory of Numbers (3)	
	541	Geometry and Topology (3)	
	545	Differential Geometry (3)	
	556	Intro Operations Research (3)	
	562	Numerical Analysis 1 (3)	
	563	Numerical Analysis 2 (3)	

573	Boundary Value Problems (3)	
575	Topics Partial Dif Equations (3)	
619	Special Geometry Algebra Topol (1-8)	
620	Probability and Random Vars (4)	
646	Topology 2 (3)	
669	Special Studies Applied Math (1-8)	
676	Measure Thry and Integration 2 (3)	
678	Complex Variables 2 (3)	
679	Special Studies in Analysis (1-8)	3-7

Research component, 3-6 credits from

MATH	689	Research Methods Math Stats (3)	
	694	Research Methods Math Educat (3)	
THES	698	Thesis (6)	3-6
			<hr/>
			30-31 crs

### Master of Science in Mathematics, 30-31 credits

The master's degree in mathematics provides students with a broad graduate-level mathematical background suitable for community college teaching, for pursuing a PhD degree in the mathematical sciences, or for seeking employment in business, industry, or government. Students pursuing the master of science degree will be required to write a 6-credit thesis. Students taking THES 698 are expected to make an oral presentation on their thesis topic, at the discretion of the committee.

For a master of arts or master of science degree, a maximum of four 500-level courses will count towards meeting the requirements for the degree.

#### Degree requirements

PREFIX	NO	SHORT TITLE	CREDITS
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Algebra, 6 credits

MATH	511	Abstract Algebra 1	3
	512	Abstract Algebra 2	3

(If the undergraduate equivalent is not complete.

Otherwise course substitutions in algebra will be made in conjunction with the program advisor.)

Analysis, 6 credits

MATH	571	Real Analysis 1	3
	572	Real Analysis 2	3

(If the undergraduate equivalent is not complete.

Otherwise course substitutions in analysis will be made in conjunction with the program advisor.)

MATH	645	Topology 1	3
	675	Measure Thry and Integration 1	3
	677	Complex Variables 1	3

3-4 credits from

MATH	515	Coding and Communication (3)	
	516	Theory of Numbers (3)	
	541	Geometry and Topology (3)	
	545	Differential Geometry (3)	
	556	Intro Operations Research (3)	



	562	Numerical Analysis 1 (3)	
	563	Numerical Analysis 2 (3)	
	573	Boundary Value Problems (3)	
	575	Topics Partial Dif Equations (3)	
	619	Special Geometry Algebra Topol (1-8)	
	620	Probability and Random Vars (4)	
	646	Topology 2 (3)	
	669	Special Studies Applied Math (1-8)	
	676	Measure Thry and Integration 2 (3)	
	678	Complex Variables 2 (3)	
	679	Special Studies in Analysis (1-8)	3-4
THES	698	Thesis (6)	6
			—————
			30-31 crs

### MASTER OF ARTS IN MATHEMATICS EDUCATION, 30-36 credits

The master of arts in mathematics education provides opportunities for elementary, middle school, and high school teachers to examine various issues related to the teaching and learning of mathematics while continuing to develop their own mathematical content knowledge.

*Concentration 1: Elementary and middle school mathematics, 30 credits*

#### Degree requirements

PREFIX	NO	SHORT TITLE	CREDITS
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Content knowledge for teaching mathematics, 12 credits

Choose four courses from

MATH	614	Alg Res Elm Mid Fnd Math Teach (3)	
	615	Num Concpnts and Num Thry Teach (3)	
	616	Rat Num Prop El Mid Fnd Tch (3)	
	623	Prob Data Analy Stat Reasoning (3)	
	640	Geo Meas Ele Mid Fnd Math Tch (3)	12

Research and pedagogical knowledge for teaching mathematics, 12 credits

MATH	690	Curriculum Instruct Math Ed	3
	693	Teaching Math Prob Solving	3
	694	Research Methods Math Educat	3
	696	Action Research Math Education	3

Electives in content or pedagogical knowledge for teaching mathematics, 6 credits (as approved by advisor) from

MATH	614	Alg Res Elm Mid Fnd Math Teach (3)	
	615	Num Concpnts and Num Thry Teach (3)	
	616	Rat Num Prop El Mid Fnd Tch (3)	
	623	Prob Data Analy Stat Reasoning (3)	
	631	Technology Mathematics Teach (3)	
	632	Assessment Math Education (3)	
	640	Geo Meas Ele Mid Fnd Math Tch (3)	
	641	Topics in Geometry (3)	
	680	Special Studies Teaching Math (3)	
	695	Math Learners and Learning (3)	

697	Math Teacher Leadership 1 (3)	6
		—————
		30 crs

*Concentration 2: Secondary mathematics, 30-32 credits*

#### Degree requirements

Content knowledge for teaching mathematics, 12 credits

MATH	511	Abstract Algebra 1	3
	570	Intermediate Analysis	3
	623	Prob Data Analy Stat Reasoning	3
	641	Topics in Geometry	3

Electives in content knowledge for teaching mathematics, 3-8 credits (as approved by advisor) from the following

MATH	512	Abstract Algebra 2 (3)	
	516	Theory of Numbers (3)	
	560	History of Mathematics (3)	
	615	Num Concpnts and Num Thry Teach (3)	
	620	Probability and Random Vars (4)	
	621	Theory of Statistics (4)	
	645	Topology 1 (3)	
	677	Complex Variables 1 (3)	3-8

Research and pedagogical knowledge for teaching mathematics, 12 credits

MATH	690	Curriculum Instruct Math Ed	3
	693	Teaching Math Prob Solving	3
	694	Research Methods Math Educat	3
	696	Action Research Math Education	3

Electives in pedagogical knowledge for teaching mathematics, 0-3 credits (as approved by advisor) from

MATH	631	Technology Mathematics Teach (3)	
	632	Assessment Math Education (3)	
	695	Math Learners and Learning (3)	
	697	Math Teacher Leadership 1 (3)	0-3
			—————
			30-32 crs

*Concentration 3: Elementary/middle school mathematics specialist, 36 credits*

#### Degree requirements

Content knowledge for teaching mathematics, 15 credits

MATH	614	Alg Res Elm Mid Fnd Math Teach	3
	615	Num Concpnts and Num Thry Teach	3
	616	Rat Num Prop El Mid Fnd Tch	3
	623	Prob Data Analy Stat Reasoning	3
	640	Geo Meas Ele Mid Fnd Math Tch	3

Pedagogical knowledge for teaching mathematics, 12 credits

MATH	632	Assessment Math Education	3
	690	Curriculum Instruct Math Ed	3
	693	Teaching Math Prob Solving	3
	695	Math Learners and Learning	3

Research, 3 credits			
MATH	694	Research Methods Math Educat	3
Leadership knowledge and skills, 6 credits			
MATH	697	Math Teacher Leadership 1	3
	698	Math Teacher Leadership 2	3
			<hr/>
			36 crs

9-10 credits from			
MATH	522	Theory Sampling and Surveys (3)	
	529	Analysis Variance Exp Design (3)	
	610	Stat Programming: Base SAS 9 (3)	
	622	Environmental Statistics (3)	
	629	Introductory Survival Analysis (3)	
	656	Bayes Methods and Linear Mixed (4)	
	675	Measure Thry and Integration 1 (3)	9-10
			<hr/>
			32-33 crs

**MASTER OF ARTS IN FOUNDATIONAL MATHEMATICS TEACHING IN THE COMMUNITY COLLEGE, 30 credits**

This program is offered on-line only.

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Content knowledge for teaching mathematics, 18 credits			
MATH	613	Quantitative Reason Teachers	3
	614	Alg Res Elm Mid Fnd Math Teach	3
	615	Num Concepts and Num Thry Teach	3
	616	Rat Num Prop El Mid Fnd Tch	3
	623	Prob Data Analy Stat Reasoning	3
	640	Geo Meas Ele Mid Fnd Math Tch	3
Research and pedagogical knowledge for teaching mathematics, 9 credits			
MATH	631	Technology Mathematics Teach	3
	693	Teaching Math Prob Solving	3
	694	Research Methods Math Educat	3
Pedagogical knowledge for teaching adults, 3 credits from			
EDAC	634	The Adult as a Learner (3)	
	635	Strategies for Teaching Adults (3)	3
			<hr/>
			30 crs

**Master of Arts in Statistics, 32-33 credits**

The master's program in statistics provides students with the background suitable for employment as a statistician in business, industry, or government. The degree also provides suitable preparation for pursuing a PhD degree in statistics.

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MATH	528	Regression Time Series Models	3
	620	Probability and Random Vars	4
	621	Theory of Statistics	4
	624	Intro to Statistical Learning	3
	627	General Linear Model Applicat	3
	628	Comput Methods in Statistics	3
	689	Research Methods Math Stats	3

**Master of Science in Statistics, 32-33 credits**

The master of science in statistics provides students with the background suitable for employment as a statistician in business, industry, or government. The degree also provides suitable preparation for pursuing a PhD degree in statistics. Students pursuing the masters of science degree will be required to complete a 6-credit thesis. Students taking THES 698 are expected to make an oral presentation on their thesis topic, at the discretion of the committee.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MATH	528	Regression Time Series Models	3
	620	Probability and Random Vars	4
	621	Theory of Statistics	4
	624	Intro to Statistical Learning	3
	627	General Linear Model Applicat	3
	628	Comput Methods in Statistics	3
THES	698	Thesis (6)	6

6-7 credits from

MATH	522	Theory Sampling and Surveys (3)	
	529	Analysis Variance Exp Design (3)	
	610	Stat Programming: Base SAS 9 (3)	
	622	Environmental Statistics (3)	
	629	Introductory Survival Analysis (3)	
	656	Bayes Methods and Linear Mixed (4)	
	675	Measure Thry and Integration 1 (3)	6-7
			<hr/>
			32-33 crs

**MINOR IN FOUNDATIONS OF BUSINESS FOR ACTUARIAL SCIENCE AND MATHEMATICS MAJORS, 25-26 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ACC	201	Principles of Accounting 1	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
FIN	300	Principles of Finance	3
MATH	259	Intro to Actuarial Software	3
	320	Probability	4
	321	Mathematical Statistics	4

3-4 credits from

FIN	310	Investments (3)	
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MATH	459	Investments Financial Markets (4)	3-4
			25-26 crs

### Certificate in Elementary Math Leadership, 15 credits

PREFIX	NO	SHORT TITLE	CREDITS
MATH	690	Curriculum Instruct Math Ed	3
	693	Teaching Math Prob Solving	3
	697	Math Teacher Leadership 1	3

6 credits from

MATH	614	Alg Res Elm Mid Fnd Math Teach (3)	
	615	Num Concepts and Num Thry Teach (3)	
	616	Rat Num Prop El Mid Fnd Tch (3)	
	623	Prob Data Analy Stat Reasoning (3)	
	640	Geo Meas Ele Mid Fnd Math Tch (3)	6
			15 crs

Students need to achieve a grade-point average of 3.0 to receive their certificate, and no grade lower than *C* will count. Transfer credit is not accepted. This certificate is offered on-line only.

### Certificate in Foundational Mathematics Teaching in the Community College, 15 credits

PREFIX	NO	SHORT TITLE	CREDITS
MATH	613	Quantitative Reason Teachers	3
	614	Alg Res Elm Mid Fnd Math Teach	3
	623	Prob Data Analy Stat Reasoning	3

6 credits from

MATH	615	Num Concepts and Num Thry Teach (3)	
	616	Rat Num Prop El Mid Fnd Tch (3)	
	640	Geo Meas Ele Mid Fnd Math Tch (3)	6
			15 crs

This certificate is offered on-line only.

### LICENSE IN MIDDLE SCHOOL/JUNIOR HIGH MATHEMATICS, 24-31 credits

Students follow the elementary education Decision Points.

*Only open to* candidates who currently hold or who are pursuing a license in elementary: intermediate education. Recommendation for middle school/junior high licensure in mathematics will be made when the following criteria are met:

- all requirements for the elementary intermediate license;
- completion of all required mathematics content courses with a grade of *C-* or better and a grade-point average of 2.5 or better; MATH 161 or MATH 165, MATH 181, MATH 310, MATH 316, MATH 331, and MATH 360.
- completion of the professional education courses with a grade of *C* or better and a grade-point average of 2.5 or better; EDJH 385 and MATH 393.

- Prepare and successfully deliver a Calculus Presentation – a 10-15 minute presentation on a calculus topic selected from an approved list – to two faculty members in the Department of Mathematical Sciences.
- Complete student teaching in a middle school/junior high mathematics classroom or in a grade 5 or 6 elementary school classroom.

PREFIX	NO	SHORT TITLE	CREDITS
		Middle school/junior high content area, mathematics, 24-31 credits	
MATH	161	Applied Calculus 1 (3)	
		or	
	165	Calculus 1 (4)	3-4
	181	Elementary Probability Stats	3
	310	Algebra Elem Mid Scl Teach	3
	316	Num Thry Elem Mid Scl Teach	3
	331	Technology Teach Assess Math	3
	360	Geometry Elem Mid Scl Teach	3
			18-19 crs

Professional education, 6-12 credits

EDJH	385	Prin of Tchng in Mid Schl	3
MATH	393	Teach Mathematics Middle Schl	3
		Additional student teaching	0-6
			6-12 crs
			24-31 crs

Additional student teaching may be waived if elementary student teaching is in grade 5 or grade 6.

### Dropped:

### Certificate in Middle School Mathematics Education, 15 credits

### MIDDLE SCHOOL/JUNIOR HIGH MATHEMATICS LICENSE (GRADUATE LEVEL), 37-38 credits

### Department of Natural Resources and Environmental Management

### Revised:

### MAJOR IN NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT (BA/BS), 54-56 credits

*Environmental Management (EM) concentration, 56 credits*

PREFIX	NO	SHORT TITLE	CREDITS
		Common core required courses, 26 credits	
CHEM	111	General Chemistry 1	4

NREM	101	Environment and Society	3
	201	Undergraduate Seminar	1
	211	Water Resources	3
	221	Soil Resources	3
	241	Air Resources	3

One of the following

NREM	286	Computer Quant Applications (3)	
		or	
	372	Applied Research Methods (3)	3
	331	Energy and Mineral Resources	3
	405	Integrated Resource Management (3)	
		or	
	369	Professional Practice (3)	
		or	
	490	Community Engagement in NREM (3)	
		or	
		Any Tier 3 course from another department	3
			<hr/>
			26 crs

Required courses from EM concentration

BIO	111	Principles of Biology 1	4
CHEM	112	General Chemistry 2	4

One of the following

BIO	313	Microbiology (4)	
		or	
CHEM	230	Org Chem Life Sciences (3)	
		and	
	241	Organic Laboratory 1 (1)	4

Electives, 18 credits from EM concentration

EMHS	350	Haz Mat Health and Safety (3)	
	351	Intro Emergency Management (3)	
	352	Science WMDs Technol Hazards (3)	
	353	Arson Investigation (3)	
	355	International Domestic Terror (3)	
	389	Emergency Response WMDs (3)	
	469	Professional Practice (1-6)	
	493	Special Topics (1-6)	
NREM	304	Sustainable Agriculture (3)	
	320	Wetland Characterization (3)	
	324	Soil Classification Interpret (3)	
	385	Wastewater Management (3)	
	415	Water Quality Management (3)	
	422	Soil Quality (3)	
	427	Soil Conservation and Mgmt (3)	
	442	Air Quality Management (3)	
	487	Solid and Hazardous Waste Mgt (3)	
	488	Site Assessment Remediation (3)	
			<hr/>
			56 crs

Other relevant courses may substitute. See chairperson regarding approval.

*Natural Resources (NR) concentration, 54 credits*

Common core required courses, 26 credits

CHEM	111	General Chemistry 1	4
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NREM	101	Environment and Society	3
	201	Undergraduate Seminar	1
	211	Water Resources	3
	221	Soil Resources	3
	241	Air Resources	3
	331	Energy and Mineral Resources	3

Choose one of the following

NREM	286	Computer Quant Applications (3)	
		or	
	372	Applied Research Methods (3)	3

Choose one of the following

NREM	405	Integrated Resource Management (3)	
		or	
	369	Professional Practice (1-3)	
		or	
	490	Community Engagement in NREM (3)	
		or	
		Any Tier 3 course from another department	3
			<hr/>
			26 crs

Required courses for NR concentration

BIO	112	Principles of Biology 2	4
GEOG	265	Intro Geographic Info Systems	3

Choose one of the following

BIO	216	Ecology (3)	
		or	
	220	Ecological Issues 21st Century (3)	

Electives for NR concentration, 18 credits

NREM	204	American Environmental History (3)	
		or	
HIST	204	US Environmental History (3)	
NREM	205	Internatnl Natural Resources (3)	
	304	Sustainable Agriculture (3)	
	309	Human Dimensions Global Change (3)	
	320	Wetland Characterization (3)	
	324	Soil Classification Interpret (3)	
	335	Renewable Energy Sustain Tech (3)	
	371	Outdoor Recreation and Socy (3)	
	385	Wastewater Management (3)	
	392	Environmental Interpretation (3)	
	395	Teaching Environmental Ed (3)	
	401	Forest Plan (3)	
	415	Water Quality Management (3)	
	422	Soil Quality (3)	
	427	Soil Conservation and Mgmt (3)	
	473	Outdr Recreation Plan and Adm (3)	
	477	Wilderness and Society (3)	

Other relevant courses may substitute. See chairperson regarding approval.

**MINOR IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY, 24 credits**

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54 crs

The academic minor in Emergency Management and Homeland Security is designed to provide students with a program of study which focuses on skills and practices of emergency planning and management associated with homeland security issues. These include natural disasters, chemical, biological and radiological incidents and acts of terrorism. This program provides a practical approach to the emergency management issues of preparedness, responses, recovery, and mitigation of natural and human-caused disasters.

PREFIX	NO	SHORT TITLE	CREDITS
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Required courses, 6 credits

EMHS	351	Intro Emergency Management	3
	352	Science WMDs Technol Hazards	3

Electives, 18 credits from

EMHS	350	Haz Mat Health and Safety (3)	
	353	Arson Investigation (3)	
	355	International Domestic Terror (3)	
	389	Emergency Response WMDs (3)	
	469	Professional Practice (1-6)	
	493	Special Topics (1-6)	
GEOG	265	Intro Geographic Info Systems (3)	
HSC	250	Emergency Health Care (3)	
JOUR	261	Principles of Public Relations (3)	
METC	334	Atmospheric Hazards (3)	
	450	Mesoscale Meteorology (3)	
PLAN	439	Community Facilities Planning (3)	
POLS	345	National Defense Policy (3)	
	494	Politics of Terrorism (3)	

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24 crs

Other relevant courses may substitute. See Program Director regarding approval.

	450	Electricity and Magnetism 1	3
	485	Meas of Lrng in Physics	1
	482	Independent Studies in Physics (1-3)	
	or		
	369	Professional Experience (1-3)	
	or		
	479	Practical Experience (1-3)	
	or		
HONR	499	Senior Honors Project (3)	3
		2 approved elective courses in PHYC	6

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57 crs

## SENIOR HIGH, JUNIOR HIGH/MIDDLE SCHOOL EDUCATION PROGRAM

PREFIX	NO	SHORT TITLE	CREDITS
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*Professional education sequence, 39 credits*

EDFO	420	Soc, Hist, Phil Found of Ed	3
EDJH	385	Prin of Tchng in Mid Schl	3
EDMU	205	Intro to Multicul Ed	3
EDPS	251	Development Secondary	3
	390	Educational Psychology	3
EDSE	320	Read Div Sec Cont Class	3
	380	Princ of Tchng in Sec School	3
	460	Student Tchng: Sec Schl	7
	465	Elective Student Teaching	5
SCI	150	Bsc Con in Science Education	3
	295	Intro to the Teaching of Sci	3
	396	Using Sci Methods and Mats	3
		Student teaching	12

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42 crs

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99 crs

## Department of Physics and Astronomy

### Revised:

#### TEACHING MAJOR IN PHYSICS (BA/BS), 99 credits

PREFIX	NO	SHORT TITLE	CREDITS
CHEM	111	General Chemistry 1	4
	112	General Chemistry 2	4
MATH	165	Calculus 1	4
	166	Calculus 2	4
	267	Calculus 3	4
PHYC	118	Expl in Phy Sci and Eng	2
	120	General Physics 1	5
	122	General Physics 2	5
	260	Introduction to Modern Physics	4
	262	Modern Physics Laboratory	2
	330	Mechanics	3
	434	Thermal Physics	3

## Department of Political Science

### Revised:

#### MAJOR IN LEGAL STUDIES (BA/BS), 69-72 credits

This major prepares students for careers as legal assistants or paralegals. It also provides a strong foundation in law-related courses for students who plan to work in the courts, the legislature or in legal departments of government and business.

PREFIX	NO	SHORT TITLE	CREDITS
		Interdisciplinary major requirements	
		Common core, 36 credits	
BL	367	Principles of Estate Planning	3
POLS	130	American National Government	3
	141	Introduction to Legal Studies	3



**MAJOR IN POLITICAL SCIENCE (BA/BS),  
42-50 credits**

The political science curriculum incorporates a progression of required, core, elective, and capstone courses. Students are expected to have a foundation of required and core courses before taking elective and capstone courses, including internships. It is the *personal responsibility* of the student to complete the listed prerequisite of any course *before* registering for it. Please consult with the undergraduate advisor should there be any questions about the curriculum.

**Capstone requirements:**

To enroll in POLS 478, internship and UCC Tier 3 capstone option, students must have:

- Declared an intent to complete the internship option upon completion of 60 credits
- Met with the internship coordinator
- Completed the Intern-Ready program

To enroll in POLS 404, senior thesis and UCC Tier 3 capstone option, students must have:

- Declared intention to complete the thesis option upon completion of 60 credits
- Met with thesis advisor
- An approved thesis proposal

All students will be required to take the Major Field Exam in Political Science before graduation.

PREFIX	NO	SHORT TITLE	CREDITS
POLS	130	American National Government	3
	210	Pol Sci Res Methods	3
Language requirement			3-11

The major requires intermediate proficiency in a major language (Arabic, Chinese, French, German, Japanese, or Spanish) or a major classical language (Latin) by earning advanced placement or enrolling in and passing one course at the 201 level or above. Modern language courses taught in English are excluded. To enroll in 201-level language courses, students must achieve appropriate placement scores or complete prerequisite 100-level courses.

*Concentration 1: Political science, 33 credits*

15 credits from

POLS	237	State and Local Politics (3)	
	280	Comparative Political Systems (3)	
	293	International Relations (3)	
	312	Early West Pol Thought (3)	
	or		
	313	Mod West Pol Thought (3)	
	342	Problems in Public Policy (3)	
	350	Public Administration (3)	15

3 credits from senior capstone

POLS	404	Sr Thes in Gov and Pols (3)	
	478	Prac Exp Gov Pul Pub Serv (3)	3

Students must select a senior capstone option upon completion of 60 total credits.

15 credits from POLS (minimum of 12 credits in 300- and 400-level courses excluding 312, 342, 350, 404, 478)	15
	42-50 crs

*Concentration 2: Economics, 33 credits*

15 credits from

POLS	237	State and Local Politics (3)	
	280	Comparative Political Systems (3)	
	293	International Relations (3)	
	312	Early West Pol Thought (3)	
	or		
	313	Mod West Pol Thought (3)	
	342	Problems in Public Policy (3)	
	350	Public Administration (3)	15

3 credits from senior capstone

POLS	404	Sr Thes in Gov and Pols (3)	
	478	Prac Exp Gov Pul Pub Serv (3)	3

Students must select a senior capstone option upon completion of 60 total credits.

9 credits from any 300- and 400-level POLS electives (excluding 312, 342, 350, 404, 478)	9
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6 credits from

ECON	311	Environmental Economics (3)	
	331	Labor Economics (3)	
	345	Public Finance (3)	
	346	Law and Economics (3)	
	348	Health and Economics (3)	
	351	International Economics (3)	
	370	Industrial Organization (3)	
	371	Econ Games Stgy (3)	6

42-50 crs

ECON 201, Elementary Microeconomics, is the prerequisite for each of the above ECON electives.

*Concentration 3: International studies, 33 credits*

15 credits from

POLS	280	Comparative Political Systems (3)	
	281	Econ Pol Prob of Emerg Ntns (3)	
	290	American Foreign Policy (3)	
	293	International Relations (3)	
	312	Early West Pol Thought (3)	
	or		
	313	Mod West Pol Thought (3)	
	345	National Defense Policy (3)	15

3 credits from senior capstone

POLS	404	Sr Thes in Gov and Pols (3)	
	478	Prac Exp Gov Pol Pub Serv (3)	
	or		
EURO	369	Professional Experience (3)	
	or		
	479	Practical Experience (3)	3

Students must select a senior capstone option upon completion of 60 total credits.

15 credits from

POLS	384	Politics in British Isles (3)	
	385	Politics of the European Union (3)	
	392	U N and International Org (3)	
	394	Internatnl Relations in Asia (3)	
	395	Politics of the Global Economy (3)	
	482	Govs and Politics of W Europe (3)	
	486	Pols Russia and Successor Sts (3)	
	488	Gov and Politics of China (3)	
	490	International Law (3)	
	493	World Politics (3)	
	494	Politics of Terrorism (3)	
	495	Foreign Policy of China (3)	15
			—————
			42-50 crs

**MASTER OF PUBLIC ADMINISTRATION (MPA),  
36-41 credits**

This degree provides graduate professional education to students who wish to prepare for careers in public management at the federal, state, or local government level, with nonprofit organizations, or with private sector corporations extensively involved with government. A full-time student can complete the MPA program, including internship, in two academic years. The requirements of the program ensure that each student will have a theoretical understanding and practical awareness of public policy and of the principles of management and administration in the public sector and nonprofit sector.

The flexibility of the program allows students to tailor an interdisciplinary curriculum to their needs, objectives, and goals. Program options include disciplinary concentrations, which allow students to combine the study of public administration and policy with course work in substantive policy areas.

Alternatively, students may choose to build a customized course of study through elective courses. Each student's background will be evaluated individually, and recommendations on program content will be made according to the student's educational and job experiences and career plans. Selection of such courses must be made in consultation with the major advisor. Students may complete part of their MPA elective courses in such departments as accounting, criminal justice and criminology, information and communication science, economics, journalism, educational leadership, marketing, management, natural resources and environmental management, social work, and sociology.

Many opportunities exist for student participation in workshops and experiential learning settings where students can interact with public and nonprofit administrators. Students without appropriate professional experience will be required to complete a full-time internship for credit.

Before graduation, all students must pass written examination, which consists of a portfolio of work that includes:

- Majors papers produced by the students in the courses in the core area of study,
- Majors papers produced to fulfill the student's research requirements, and
- An evaluative, reflective essay of 10-15 pages that describes how the process of creating this body of work has enhanced the student's knowledge and competency for public service.

The MPA examination committee, consisting of three faculty members from the MPA core faculty, will review the portfolio.

**Degree requirements**

<i>PREFIX NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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*MPA with customized course of study, 36-39 credits*

Core area of study

POLS	625	Res Meth in Political Sci	3
	648	Policy Design and Advoc	3
	650	Intro Pub and Nonprofit Admin	3
	651	Managing Orgs for Public Serv	3
	652	Managing HR for Public Ser	3
	653	Public and Nonprofit Fin Mgt	3

Research requirements

POLS	626	Research Seminar (3)	
		or	
RES	697	Research Paper (3)	
		or	
THES	698	Thesis (6)	3-6

Electives in public administration and related areas as approved by the department

15

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36-39 crs

*MPA with criminal justice and criminology (CJC) concentration, 36-39 credits*

Core area of study

POLS	625	Res Meth in Political Sci	3
	648	Policy Design and Advoc	3
	650	Intro Pub and Nonprofit Admin	3
	651	Managing Orgs for Public Serv	3
	652	Managing HR for Public Ser	3
	653	Public and Nonprofit Fin Mgt	3

Research requirements

POLS	626	Research Seminar (3)	
		or	
RES	697	Research Paper (3)	
		or	
THES	698	Thesis (6)	3-6

Electives in public administration or related area as approved by the department

3

CJC concentration

CJC	650	Criminal Justice Admin	3
	651	Interpersonal Relations in CJC	3



652	Philosophical Aspects of CJC	3	or			
690	Independent Study in CJC (1-3)	3	THES	698	Thesis (6) 3-6	
		36-39 crs				
<i>MPA with information and communication technology concentration, 38-41 credits</i>			<i>SIP concentration</i>			
Core area of study			3 credits from			
POLS	625	Res Meth in Political Sci	3	SOCW	602	Div, Oppress, and Priv (3)
	648	Policy Design and Advoc	3		612	Soc Wk Practice 2 (3)
	650	Intro Pub and Nonprofit Admin	3		630	Micro Perspect of HBSE (3)
	651	Managing Orgs for Public Serv	3		631	Macro Perspect of HBSE (3)
	652	Managing HR for Public Ser	3		674	Soc Wk in Health Care (3)
	653	Public and Nonprofit Fin Mgt	3		682	Adv Soc Wel Pol and Prog (3)
					3	
Research requirements			36-39 crs			
POLS	626	Research Seminar (3)				
		or				
RES	697	Research Paper (3)				
		or				
THES	698	Thesis (6)	3-6			
Elective in public administration or related area as approved by the department			3			
ICS concentration						
ICS	620	Info and Comm Technologies	4			
	621	Info Movemnt, Mgmt, Storage	4			
6 credits from						
CS	629	Special Topics (1-6)				
ICS	623	Integration (3)				
	624	Knowledge Management (3)				
	645	Evolving Database Systems (3)				
	691	Internetworking, TCP and IP (3)				
ISOM	601	Intro Comp and Net Sec (3)				
MBA	623	Electronic Commerce (3)				
		or				
other courses as approved by the ICT certificate advisor			6			
			38-41 crs			
<i>MPA with social issues and policy concentration, 36-39 credits</i>						
Core area of study						
POLS	625	Res Meth in Political Sci	3			
	648	Policy Design and Advoc	3			
	650	Intro Pub and Nonprofit Admin	3			
	651	Managing Orgs for Public Serv	3			
	652	Managing HR for Public Ser	3			
	653	Public and Nonprofit Fin Mgt	3			
Research requirements						
POLS	626	Research Seminar (3)				
		or				
RES	697	Research Paper (3)				

**Dropped:**

*MPA with community and economic development concentration, 37-40 credits*

*MPA with emergency management and homeland security concentration, 36-39 credits*

**TEACHERS COLLEGE****Revised:****Decision Point 1:****Admission to the Teacher Preparation Program**

For admission to the teacher preparation program and to register for 300- and 400-level professional education courses required for the teaching major, students must have:

- earned grades of C or better in all 100- and 200-level professional education courses required for the teaching major, and COMM 210 or equivalent;
- earned a minimum of 45 credits with an overall grade-point average of at least 2.5;
- passed the Core Academic Skills Assessment (CASA; SAT, GRE, or ACT scores may substitute for CASA under some circumstances);
- satisfied course and assessment requirements specified by the student's licensure area. For specific requirements, students should see their DegreeWorks and Tk20 profiles;

**Decision Point 2:****Admission to Student Teaching**

To register for student-teaching courses, students must have:

- earned grades of C or better in all professional education courses required for the teaching major;
- earned a minimum of 93 credits with overall grade-point average of at least 2.5;

- maintained a grade-point average of at least 2.5 in professional education courses and 2.5 in the major and in all content area courses;
- satisfied course and assessment requirements specified by the student’s licensure area. For specific requirements, students should see their DegreeWorks and Tk20 profiles;
- an approved application for student teaching.

**Decision Point 3:**

**Recommendation for Graduation and Licensure**

To be recommended for graduation, candidates must have:

- earned credit in student teaching;
- completed all requirements for graduation with an overall grade-point average of 2.5;
- maintained a grade-point average of at least 2.5 in all professional education courses and 2.5 in the major and in all content area courses;

In addition, to be recommended for licensure, candidates must have:

- passed the Indiana Academic Core Assessments in the appropriate Developmental (Pedagogy) Area and Content Area;
- provided evidence of current CPR/AED certification (through state approved agencies) prior to license recommendation;
- provided evidence of completion of suicide prevention training (through state approved agencies) prior to license recommendation.

**Department of Educational Psychology**

**Revised:**

**DOCTOR OF PHILOSOPHY IN EDUCATIONAL PSYCHOLOGY, 91 credits**

*\*Name change only to remove “(General)” from title*

**Department of Educational Studies**

**Suspended:**

**MASTER OF ARTS IN TECHNOLOGY EDUCATION, 30 credits**

**TEACHING MAJOR IN TECHNOLOGY AND ENGINEERING EDUCATION (BA/BS), 81 credits**

**TEACHING MAJOR IN FAMILY AND CONSUMER SCIENCES (BA/BS), 84 credits**

**Department of Elementary Education**

**Dropped:**

Early/Middle Childhood License

**Department of Early Childhood, Youth, and Family Studies**

**Revised:**

**TEACHING MAJOR IN EARLY CHILDHOOD EDUCATION (Birth-Grade 3) (BA/BS), 102 credits**

PREFIX	NO	SHORT TITLE	CREDITS
AHS	100	Introduction to Art	3
BIO	102	Biol Concepts for Teachers	3
ECYF	100	Introduction to ECYFS	3
	265	Infant and Toddler Dvlp Educ	3
	351	Teaching in the K Primary Prog	3
	400	Student Teaching: Pre-K (6-12)	
		or	
	401	Student Teaching: Kindergarten (6-12)	
		or	
	402	Student Teaching: Primary (6-12)	12
	442	Administration of EC Programs	3
EDEL	200	Plan for Elem and EC Classroom	3
	244	Early and Elem Educ Soc Just	3
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDPS	260	Development Elementary	3
	393	Educational Psych Elementary	3
EDRD	204	Literature for Children (3)	
		or	
	318	Lit for Young Children (3)	3
	390	Early Emergent Literacy	3
	430	Assess Interven Read Lang Arts	3
GEOG	101	Earth Sea Sky: Geographic View (3)	
		or	
GEOL	101	Planet Earth Geol Environment (3)	3
HIST	201	American History, 1492-1876	3
HSC	350	Elem Schl Hlth Pgrms	3
MATH	201	Num Oper Alg Reas Elem Teach	4
	202	Data Geo Meas Elem Teach	3
	391	Teach Mathematics Elementary	3
MUSE	265	Music Basics for the Classroom	3
PHYC	101	Phys Sci Concepts for Teachers (1-3)	3
SCI	398	Teach Sci in Early Pri Grds	3
SPCE	302	Tch Studs and Dis in Gen Ed	3
SS	398	Teaching SS EC Kind-Grade 3	3
		Elective	2
			90 crs
Concentration			
ECYF	231	Family and Community Relations	3
	252	Creative Exp for Yng Children	3
	301	Tchg in the Pre-K K Program	3
	381	Early Childhood Language Arts	3
			12 crs
			102 crs

These major courses, AHS 100, BIO 102, GEOG 101 or

GEOL 101, HIST 201, MATH 201, MUSE 265, PHYC 101  
also fill a University Core Curriculum requirement.

30 crs

100 crs

## Department of Special Education

### Revised:

#### TEACHING MAJOR IN EXCEPTIONAL NEEDS: DEAF EDUCATION (BA/BS), 100 credits

PREFIX	NO	SHORT TITLE	CREDITS
AHS	100	Introduction to Art	3
BIO	102	Biol Concepts for Teachers	3
GEOG	101	Earth Sea Sky: Geographic View (3)	3
		or	
GEOL	101	Planet Earth Geol Environment (3)	3
HIST	201	American History, 1492-1876	3
MATH	207	Mathematics Exceptional Learn	4
MUSE	265	Music Basics for the Classroom	3
PHYC	101	Phys Sci Concepts for Teachers (1-3)	3
			22 crs

EDFO	420	Soc, Hist, Phil Found of Ed	3
EDPS	250	Human Growth Development	3
EDRD	400	Tchg of Rdg in Todays Schools	3
	430	Assess Intervn Read Lang Arts	3
MATH	392	Teach Mathematics Disabilities	3
SPCE	201	Intro Stdnts with Except Nds	3
			18 crs

#### Mild Interventions (Early and Middle Childhood), 30 credits

SPCE	202	Legal and Proc Founds Spec Ed	3
	266	Classroom Management	3
	309	Prin of ABA for Spec Ed	3
	331	Tech in Education (1-3)	3
	361	Adv Pract in Special Ed (1-6)	3
	371	Intro to Mild Intervs	3
	375	Assessment in Spec Ed Incl Rtl	3
	376	Tchnng Meths Mild Intervs K12	3
	489	Stud Teach: Mild Disabilities (1-12)	6
			30 crs

#### Deaf and Hard of Hearing (All-Grade), 30 credits

SNLN	251	American Sign Language 1	3
	252	American Sign Language 2	3
SPCE	240	Intro Sign Sys, Ed Env and Svs	3
	246	Spch Dev Tech Deaf HH	3
	321	Ed Rehab Strat Deaf HH St	3
	454	Intro Lang Acq Deaf HH Ind	3
	456	Lang Meth Deaf HH St	3
	458	Teach Rdg Cont Areas Deaf HH	3
	466	Stud Teach: Deaf HH (1-12)	6

### Exceptional Needs: Deaf and Hard of Hearing (Graduate License)

The graduate license additional in Exceptional Needs: Deaf and Hard of Hearing is designed to prepare teachers of deaf and hard of hearing (d/hh) students K-12, across content areas, and in a variety of settings to meet the learning and language needs of d/hh learners. Students will gain a strong professional preparation and understanding of the different philosophies, theories, and evidence-based strategies that are used in deaf education. They will understand assistive technology, listening devices, and how to establish a learning environment that supports the needs of d/hh learners. In addition, students will be able to use assessments to write IEPs, collaborate with other professionals, guide instruction, and work with families.

Proof of a valid elementary and/or secondary teaching license is required. The Indiana developmental levels covered by the Exceptional Needs: Deaf and Hard of Hearing license will match the levels of coverage in the candidate's existing teaching license, unless students complete a department approved practicum to meet the requirements for licensure in all school settings (K-12). Contact the Office of Teacher Education and Clinical Practice for other requirements.

#### PREFIX NO SHORT TITLE CREDITS

The following courses or approved undergraduate equivalents:

SNLN	651	American Sign Language 1	3
	652	American Sign Language 2	3
SPCE	600	Educ of Exc Children	3
	640	Intro to Deaf Education	3
	641	Intro Speech Lang Dev D HH	3
	642	Collab Prof and Fam in Deaf Ed	3
	643	Tch Spch Lang Soc Com D HH	3
	644	Assess Stds Bsd Prog D HH	3
	645	Reading Methods D HH	3
	670	Practicum in Deaf Education	3

30 crs

Laura Helms

Interim Dean, University College