

# BALL STATE UNIVERSITY

## ACADEMIC POSTING

2009 - 2010

VOLUME XLI - 5

January 8,

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins January 11, 2010. If no demurrer is received within ten school days, the changes will be certified for implementation. *The effective date for implementing undergraduate materials posted after February 5, 2008 is Fall Semester 2010. Graduate materials posted after January 27, 2009 have an implementation date of Fall Semester 2011.*

### Academic Programs

#### Revised:

##### Bachelor of Arts (B.A.)

This degree program requires two years (or the equivalent) of study in one foreign language, normally courses through the 202 level. By taking a placement exam, students may begin their studies at a level higher than the 101 level.

*University Core Curriculum:* Courses in the University Core Curriculum 39 hrs

*Foreign language:* One foreign language

*Concentration area:* Courses in the major area of

study, Integrated Studies, or Medallion Scholar

*Electives:* As many hours of credit as needed to bring the total to 126 hours

##### Bachelor of Science (B.S.)

*University Core Curriculum:* Courses in the University Core Curriculum 39 hrs

*Concentration area:* Courses in the major area of

study, Integrated Studies, or Medallion Scholar

*Electives:* As many hours of credit as needed to bring the total to 126 hours

### Interdepartmental Programs

#### DOCTOR'S DISSERTATION (DISS)

#### Revised:

DISS 799. Doctor's Dissertation. (1.0 TO 24.0) A total of 24 hours of credit may be earned. Must be taken for

a minimum of 10 hours of credit. Must also be taken for three hours of credit each academic semester after candidacy and enrollment in the minimum required by the department if not registering for a course or courses until the final copy of the dissertation is deposited in the Graduate School. A doctoral candidate in an externally accredited program that requires an internship experience is exempt from continuous enrollment while registered for internship credit. See page 34 for Stage 3 of doctoral requirements for details. Prerequisite: permission of the graduate advisor.

#### INTEGRATED STUDIES CONCENTRATION AREA

#### Revised:

A student with excellent credentials may design an individualized, interdisciplinary major using existing courses to prepare for an unique career goal not available from a specific major. The program must bridge academic disciplines and receive approval of the dean of University College or (for Honors College students) the dean of the Honors College. An application is required before completion of the final 63 semester hours. The student must identify and work with a faculty advisor to design the program of study; maintain a GPA of 3.3 or higher; and complete a minimum of 45 credits in the program of study. At least 24 hours must be at the 300-level or higher.

#### MEDALLION SCHOLAR

#### Revised:

A student with excellent academic credentials may design a fully individualized, highly mentored program of study that entails substantial freedom in the completion of program requirements. The program should be organized around a theme or themes, may combine course work from any departments, and may not replicate any existing major. Admission requires written application to the director (Dean of the Honors College) and must be approved and monitored by a faculty review committee; student must maintain a minimum GPA of 3.33 or higher and complete a minimum of 55 credits in the program of study; at least 45 credits must be at the 300-level or higher, including at least 6 credits at the 400-level or higher.

For additional information go to [www.bsu.edu/honors/](http://www.bsu.edu/honors/)

medallion.

446	Med Ntr Th 1	3
447	Med Ntr Th 2	3
455	Lfcycle Nutr	3
456	Communty Ntr	3

# College of Applied Sciences and Technology

## DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

### Revised:

### MAJOR IN DIETETICS, 94 hours

The Department of Family and Consumer Sciences offers a baccalaureate degree in dietetics that meets the academic requirements of the American Dietetics Association (ADA). Students admitted to the dietetic program will have completed two years of high school algebra or MATHS 108. All dietetic students are directed to take the following University Core Curriculum courses as program requirements: BIO 111, CHEM 111, PSYSC 100.

### Admission Requirements

- Complete FCSFN 275 with *B* (3.0) or better, and
- Complete the following courses with *C* (2.0) or better: ANAT 201; BIO 111; CHEM 111, 112, 231, 360; and PHYSL 215, and
- Cumulative undergraduate GPA of 3.0 or higher.

PREFIX	NO	SHORT TITLE	CR HRS
Family and consumer sciences			
Common core, 9 hours			
FCS	103	Intro to FCS	3
	403	FCS Practice	3
FCS elective			3
Dietetics courses, 85 hours			
FCSFN	101	Intro Dietet	1
	110	Fd Prep Sci	3
	220	Meal Des Pre	3
	247	Fd San Purch	3
	275	Personal Ntr	3
	330	Tech Fd Sci	3
	345	Macro Nutr	3
	346	Micro Nutr	3
	363	Instit Admin	3
	371	Com Diet HFM	3
	390	Ntr Cnsl Prc	3
	400	Res Man&QtFd	4

Required support courses

ANAT	201	Fund Hum Ana	3
BIO	111	Princ Bio 1	4
	313	Microbiology	4
CHEM	111	Gen Chem 1	4
	112	Gen Chem 2	4
	231	Organic 1	4
	360	Essen Biochm	4
MGT	300	Mgt Beh Org	3
PHYSL	215	Human Physio	5
PSYSC	100	General	3

94 hrs

### FAMILY AND CONSUMER SCIENCES: EDUCATION (FCSED)

#### Withdrawn by the Department:

FCSED 395. Methods and Materials for Teaching Family and Consumer Sciences. (5.0)

FCSED 492. Implementation of Vocational Education Programs. (3.0)

FCSED 493. Coordination of Cooperative Programs in Vocational Education. (3.0)

### FAMILY AND CONSUMER SCIENCES: RESIDENTIAL PROPERTY MANAGEMENT (FCSPM)

#### New:

FCSPM 255. Facilities Management. (3.0) An introduction to professional practices in facilities management. Identification of and exposure to career opportunities in the field.

## SCHOOL OF PHYSICAL EDUCATION, SPORT, AND EXERCISE SCIENCE

### Pending ICHE approval

#### Revised:

**Change title from:** Major in Athletic Training  
**To:** Bachelor of Athletic Training

## DEPARTMENT OF TECHNOLOGY

### INDUSTRY AND TECHNOLOGY: GRAPHIC ARTS/PRINTING (ITGRA)

#### Revised:

ITGRA 385. Commercial Printing. (3.0) Studies practical applications of running a graphic imaging company. Modeled after an actual graphic communication company. Students work together in groups that follow actual print projects from design through creation and output. Students gain an understanding of working with others while building practical skills in areas of production. Prerequisite: ITGRA 180, 181, 182, 183.

ITGRA 480. Capstone in Graphic Arts. (3.0) A capstone course that focuses on emerging trends, processes, and technologies in the contemporary graphic arts/printing industry. Students are required to complete a senior project related to the graphic arts/printing industry. Prerequisite: ITGRA 385.

### INDUSTRY AND TECHNOLOGY: MANUFACTURING (ITMFG)

#### New:

ITMFG 469. Six Sigma Project 2. (3.0) A paid or unpaid work and learning experience where students will be required to complete the six sigma project started in ITMFG 465. Student will be required to prepare a full project report. Student will spend a significant amount of time working with a community partner. Prerequisite: ITMFG 465; permission of the department chairperson.

ITMFG 585. Inquiries into 3D Prototyping. (3.0) An introduction to an inquiry-based, iterative approach to 3 dimensional laser scanning, rapid prototyping technologies, laser machining, and CNC machining; students use R & D methods to produce and refine digital 3D product designs and manufacture prototypes. Not open to students who have credit in ITDPT 280.

#### Revised:

ITMFG 375. Project Planning and Control. (3.0) Focuses on project planning and control. Students will participate in a simulated lean Six Sigma project. Students will take comprehensive lean six sigma black belt certification exams. Students who pass all the exams will receive lean six sigma black belt certificate of proficiency. Prerequisite: ITMFG 365, 425.

ITMFG 465. Six Sigma Project 1. (3.0) Student will establish a working relationship with a community partner. A six sigma charter will be developed and the define and measure phases of the six sigma DMAIC process

completed. Trips to the community partner site are likely. A project report is required. Students who enroll in the course and want a pathway to a professional certification must also enroll in ITMFG 469 the following semester. Prerequisite: permission of the department chairperson. Parallel: ITMFG 375.

## College of Architecture and Planning

### DEPARTMENT OF ARCHITECTURE

#### ARCHITECTURE (ARCH)

#### New:

ARCH 581. Digital Design/Fabrication Foundations 1. (3.0) Foundations course introducing surface modeling and design methods and tools for CNC fabrication. Initiates a basic understanding of surface geometry, fabrication strategies, and data extraction/translation through a series of hands-on, iterative modeling and digital fabrication exercises. Prerequisite: graduate status in the College of Architecture and Planning.

ARCH 582. Digital Design/Fabrication Foundations 2. (3.0) Foundations course introducing advanced computational design and analysis tools. Topics and skills covered include time-based modeling, scripting, parametric and informational modeling, and computational performance simulation. Skills are developed through a series of case studies and projects. Prerequisite: graduate status in the College of Architecture and Planning; ARCH 581 or permission of the instructor.

ARCH 593. Digital Design/Fabrication Applications Seminar. (3.0) Seminar focusing on a discussion of critical consideration of digital design and fabrication technology application issues. Students will work collaboratively to develop critical and prototypical projects. Prerequisite: graduate status in the College of Architecture and Planning; ARCH 581 or permission of the instructor.

ARCH 594. Immersive Practicum Lab. (3.0) Self-directed, entrepreneurial, creative projects performed under the guidance of faculty advisors and in collaboration with industry partners. Students are encouraged to consider applied research potentials for projects. Prerequisite: graduate status in the College of Architecture and Planning; ARCH 593 or permission of the instructor.

#### Revised:

ARCH 447. Historic Preservation Technology 1. (2.0)

Survey of the materials and systems of construction used in historic buildings and the causes of deterioration, obsolescence, and failure in buildings. Emphasizes developing diagnostic skills through field investigations and laboratory analysis and exercises. Prerequisite: permission of the preservation program director.

## Miller College of Business

### DEPARTMENT OF MARKETING AND MANAGEMENT

#### MANAGEMENT (MGT)

##### Revised:

MGT 241. The Entrepreneurial Experience. (3.0)  
A introductory course focusing on the individual entrepreneur, the generation of innovative business ideas, the creation of business ventures, and the role of entrepreneurship within society. Students will experience entrepreneurship first-hand through an immersion experience, and will acquire the skills and process knowledge needed to create their own innovative for-profit solution to a real-world market opportunity.

MGT 342. Marketing for New Ventures. (3.0) A survey course covering the principles of market research and marketing. Students will learn how to perform market research and test the demand for a product/service, determining its marketing feasibility. In addition, they will learn how to create a marketing plan that includes their decisions regarding product, promotion, price and distribution. Prerequisite: ECON 116 or ECON 201; MGT 241.

MGT 345. Management for New Ventures. (3.0) A survey course highlighting the foundational principles and best practices for managing the start-up process, and the human resources involved in new venture creation. Students will learn how to plan the business launch and operations, as well as how to select, train, compensate, and promote employees. Prerequisite: ECON 116 or ECON 201; MGT 241; MGT 342.

MGT 443. Venture Financing. (3.0) Examines the venture financing options available for new business startups. Emphasizes creating and analyzing financial documents, approaching financial sources, selling stock for growing companies, and managing the financial condition of a new venture. Prerequisite: MGT 241 or MGT 341; FIN 300. Open only to students majoring or minoring in entrepreneurship.

## College of Communication, Information, and Media

### DEPARTMENT OF JOURNALISM

##### New:

#### EMERGING MEDIA JOURNALISM CERTIFICATE, 18 hours

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
NEWS	105	Journ Story	2
	130	Media Design	1
	131	Media Stills	1
	132	Media Audio	1
	133	Media Video	1
	229	Media Prod	3
	233	Media Rpt	3
	339	Soc Med Int	3
	449	Law & Ethics	3

### DEPARTMENT OF TELECOMMUNICATIONS

##### New:

#### EMERGING MEDIA JOURNALISM CERTIFICATE, 18 hours

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
NEWS	105	Journ Story	2
	130	Media Design	1
	131	Media Stills	1
	132	Media Audio	1
	133	Media Video	1
	229	Media Prod	3
	233	Media Rpt	3
	339	Soc Med Int	3
	449	Law & Ethics	3

## College of Fine Arts

### DEPARTMENT OF ART

##### Revised:

**MAJOR IN ART, B.F.A., 85 hours**

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

PREFIX	NO	SHORT TITLE	CR HRS
Core requirements, 31 hours			
ADS	101	Foundation 1	3
	102	Foundation 2	3
AFA	101	Drawing 1	3
	202	Drawing 2	3
	211	Painting 1	3
AHS	101	Art Survey 1	3
	102	Art Survey 2	3
ART	100	Art Orient	1
	200	Computer Art	3
6 hours from 200- and 300-level AHS courses.			6

Complete one professional specialization  
*Ceramics, 54 hours*

ACR	211	Ceramics 1	3
	221	Intro Metals	3
	231	Glass 1	3
	312	Ceram Thro 1	3
	313	Ceram Hand 1	3
	314	Ceram Thro 2	3
	315	Ceram Hand 2	3
	316	Glz Kiln Tch	3
	416	Ceram Thro 3	3
	417	Ceram Hand 3	3
AFA	221	Sculpture 1	3

Select two courses from two different areas

ACR	322	Mtlsmth Dform (3)	
	323	Metal Castng (3)	
	324	Metal Color (3)	
	332	Glass 2 (3)	
	333	Glass 3 (3)	
AFA	322	Sculpture 2 (3)	
	323	Sclp Int Cas (3)	
	324	Scלט Wood (3)	6

12 hours from art studio electives  
12  
85 hrs

*Drawing, 54 hours*

AFA	217	Watercolor 1	3
	221	Sculpture 1	3
	231	Intr Prtmakg	3
	303	Drawing 3	3
	304	Drawing 4	3
	312	Painting 2	3
	341	Intagli Pt 1	3

	351	Lithograph 1	3
	405	Drawing 5	3
	406	Drawing 6	3
	487	Sr Prj Draw	3
ART	231	Photo 1	3

3 hours from

ACR	211	Ceramics 1 (3)	
	221	Intro Metals (3)	
	231	Glass 1 (3)	3

3 hours from

AFA	322	Sculpture 2 (3)	
	323	Sclp Int Cas (3)	
	324	Scלט Wood (3)	3

12 hours from art studio electives  
12

*Electronic art, animation, and video, 54 hours*

AFA	221	Sculpture 1	3
ART	231	Photo 1	3
	311	Animation 1	3
	321	Video Art 1	3
	490	Sr Prj EAAV	3

6 hours from

ACR	211	Ceramics 1 (3)	
	221	Intro Metals (3)	
	231	Glass 1 (3)	
ART	233	Digital Imag (3-6)	6

18 hours from art studio electives  
18

Complete one option, 15 hours

*Option 1: Animation*

AFA	303	Drawing 3	3
	304	Drawing 4	3
ART	312	Animation 2	3
	313	Animation 3	3
	414	Animation 4 (3-6)	3

*Option 2: Video and intermedia art*

AFA	322	Sculpture 2	3
ART	322	Video Art 2	3
	323	Video Art 3	3
	424	Video Art 4 (3-6)	3

3 hours from

ART	232	Photo 2 (3)	
	330	Color Photo (3)	3

*Glass, 54 hours*

ACR	211	Ceramics 1	3	231	Intr Prtmakg	3	
	221	Intro Metals	3	303	Drawing 3	3	
	231	Glass 1	3	312	Pnt 2 Figure	3	
	332	Glass 2	3	313	Pnt 3 Concep	3	
	333	Glass 3	3	314	Pnt 4 Media	3	
	334	Glass 4	3	416	Pnt 6 Adv St	3	
	335	Glass 5	3	489	Sr Prj Paint	3	
	436	Glass Adv 1	3	ART	231	Photo 1	3
	437	Glass Adv 2	3				
	438	Sr Prj Glass	3				
AFA	221	Sculpture 1	3	3 hours from			
				AFA	318	Adv Watercol (3-6)	
					319	Watermedia (3-6)	3
Select two courses from two different areas							
ACR	312	Ceram Thro 1 (3)		3 hours from			
	313	Ceram Hand 1 (3)		AFA	315	Pnt 5 Studio (3)	
	322	Mtlsmth Dform (3)			317	Encaustics (3-6)	3
	323	Metal Castng (3)					
	324	Metal Color (3)		3 hours from			
AFA	322	Sculpture 2 (3)		AFA	341	Intagli Pt 1 (3)	
	323	Sclp Int Cas (3)			351	Lithograph 1 (3)	
	324	Sculpt Wood (3)	6		361	Relief Prt 1 (3)	
15 hours from art studio electives			15		371	Serigraphy 1 (3)	3
			<hr/>				
			85 hrs	3 hours from			
<i>Metals, 54 hours</i>				ACR	211	Ceramics 1 (3)	
ACR	211	Ceramics 1	3		221	Intro Metals (3)	
	221	Intro Metals	3		231	Glass 1 (3)	3
	231	Glass 1	3	12 hours from art studio electives			12
	312	Ceram Thro 1	3				<hr/>
	322	Mtlsmth Dform	3				85 hrs
	323	Metal Castng	3	<i>Photography, 54 hours</i>			
	324	Metal Color	3	ART	231	Photo 1	3
	425	Metl Adv Fab	3		232	Photo 2	3
	426	Metl Adv Sur	3		233	Digital Imag (3-6)	3
	427	Metl New Tec	3		321	Video Art 1	3
	428	Metal Sr Prj	3		322	Video Art 2	3
AFA	221	Sculpture 1	3		330	Color Photo	3
	231	Intr Prtmakg	3		331	Photo 3 Stud	3
ART	301	Adv Comp Art (3-6)	3		332	Photo 4 Sp T (3-6)	3
					433	Dir in Photo	3
					434	Adv Dir Phto (3-6)	3
Select two courses from two different areas							
ACR	312	Ceram Thro 1 (3)			480	Sr Prj Photo	3
	313	Ceram Hand 1 (3)		AFA	231	Intr Prtmakg	3
	332	Glass 2 (3)					
	333	Glass 3 (3)		3 hours from			
AFA	322	Sculpture 2 (3)		AFA	341	Intagli Pt 1 (3)	
	323	Sclp Int Cas (3)			351	Lithograph 1 (3)	
	324	Sculpt Wood (3)	6		371	Serigraphy 1 (3)	3
6 hours from art studio electives			6	3 hours from			
			<hr/>	ART	233	Digital Imag (3-6)	
			85 hrs		301	Adv Comp Art (3-6)	
					323	Video Art 3 (3)	
				3			
<i>Painting, 54 hours</i>				12 hours from art studio electives			12
AFA	217	Watercolor 1	3				<hr/>
	221	Sculpture 1	3				

			85 hrs		342	Vis Com 2	3
					441	Vis Com 3	3
					442	Vis Com 4	3
<i>Printmaking, 54 hours</i>					443	Vis Com Tpcs (3-9)	3
AFA	217	Watercolor 1	3	AFA	231	Intr Prtmakg	3
	221	Sculpture 1	3	AHS	310	Vis Com Hist	3
	231	Intr Prtmakg	3	ART	231	Photo 1	3
	303	Drawing 3	3				
	341	Intagli Pt 1	3				
	342	Intagli Pt 2	3	6 hours from			
	351	Lithograph 1	3	ADS	301	V C Tech 1 (3)	
	352	Lithograph 2	3		302	V C Tech 2 (3)	
	361	Relief Prt 1	3	ART	233	Digital Imag (3-6)	
	371	Serigraphy 1	3		301	Adv Comp Art (3)	
	443	Intagli Pt 3	3		321	Video Art 1 (3)	6
	453	Lithograph 3	3				
	493	Sr Prj Print	3	3 hours from			
3 hours from				ADS	471	Vis Com Prac (3-6)	
ACR	211	Ceramics 1 (3)			480	Sr Dsg Thes (3)	
	221	Intro Metals (3)		ART	369	Art Intern (3)	3
	231	Glass 1 (3)	3				
12 hours from art studio electives			12	3 hours from			
				AFA	341	Intagli Pt 1 (3)	
					351	Lithograph 1 (3)	
					361	Relief Prt 1 (3)	
					371	Serigraphy 1 (3)	3

85 hrs

*Sculpture, 54 hours*

ACR	211	Ceramics 1	3	3 hours from			
	221	Intro Metals	3	ACR	211	Ceramics 1 (3)	
	231	Glass 1	3		221	Intro Metals (3)	
AFA	221	Sculpture 1	3		231	Glass 1 (3)	
	231	Intr Prtmakg	3	AFA	221	Sculpture 1 (3)	3
	322	Sculpture 2	3	9 hours from art studio electives			9
	323	Sclp Int Cas	3				
	324	Sculpt Wood	3				85 hrs
	325	Sculpt Cas Mol	3				
	426	Sclp Adv Prb (3-9)	3				
	491	Sr Prj Sculp	3				
ART	231	Photo 1	3				
	301	Adv Comp Art (3-6)	3				

**MAJOR IN ART, 55 hours**

Emphasis in ceramics, drawing, metals, painting, photography, printmaking, sculpture, and glass.

Select two courses from two different areas

				<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
ACR	312	Ceram Thro 1 (3)		ADS	101	Foundation 1	3
	313	Ceram Hand 1 (3)			102	Foundation 2	3
	322	Mtlsmth Dform (3)		AFA	101	Drawing 1	3
	323	Metal Castng (3)			202	Drawing 2	3
	324	Metal Color (3)			211	Painting 1	3
	332	Glass 2 (3)		AHS	101	Art Survey 1	3
	333	Glass 3 (3)	6		102	Art Survey 2	3
9 hours from art studio electives			9	ART	100	Art Orient	1
					200	Computer Art	3

85 hrs

*Visual communication, 54 hours*

ADS	241	Int Vis Com	3	12 hours from area of emphasis		12
	242	Type Image	3	12 hours from 200- and 300-level		
	341	Vis Com 1	3	AHS courses		12
				6 hours from art electives		6

This program leads to a B.A. degree (see Academic Programs, p. 24, for degree outline).

55 hrs

## SCHOOL OF MUSIC

### Revised:

### TEACHER EDUCATION

Teaching programs require additional courses in educational methods. The professional education courses are included in this listing. See the Department of Educational Studies and Teachers College for the descriptions of these courses and other professional requirements of the teacher education program.

### ALL-GRADE EDUCATION PROGRAM

PREFIX	NO	SHORT TITLE	CR HRS
Professional education sequence, 43 hours			
MUSED	100	Prin Mus Tch	2
	150	Instr/Voice	2
EDMUL	205	Multi Educ	3
EDPSY	250	Hu Growth Dv	3
	390	Educ Psychol	3
MUSED	350	Fld Exp Mus	3
	351	El Gen Mus	3
	353	Sec Gen Mus	3
Special Methods			
EDFON	420	Fnds of Educ	3
Student teaching			12

43 hrs

Special methods, Instrumental and General Music: MUSED 355 and 375; Vocal and General Music: MUSED 356, 376. C or better grades are required in all MUSED courses to satisfy prerequisites. See Professional Education Assessment/Decision Points, p. 421, for additional information.

### TEACHING MAJOR IN MUSIC EDUCATION: INSTRUMENTAL AND GENERAL, 60 hours

PREFIX	NO	SHORT TITLE	CR HRS
MUSTH	101	Sight Ear	1
	102	Sight Ear	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Ear	1
	202	Sight Ear	1
	211	Music Theory	2
	212	Music Theory	2
	311	Form Analys	2

MUHIS	200	Music Lit	2
	330	Music Histry	3
	331	Music Histry	3
MUSCH	499	Recital	1
MUSPE	290	Intro Conduc	2
	390	Inst Con Reh	2
MUSED	250	Brass Tech	2
	252	Woodw Tech 1	2
	253	Woodw Tech 2	2
	254	Perc Tech	1
	256	String Tech	2
	390	Inst Lab (.5)	1

7 hours from

MUSCH	340	Lrg Inst Ens (1)	
	341	Lrg Inst Ens (.5)	7

12 hours from

MUSPE applied primary instrument			12
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2 hours from

MUSPE	325	Sec Piano (1)	
	326	Group Piano (1)	2

2 hours from

MUSTH	411	Instr Orchra (2)	
	413	Band Arrange (2)	2

60 hrs

Piano primary takes 2 hours in minor voice instead of MUSPE 325, 326.

### TEACHING MAJOR IN MUSIC EDUCATION: VOCAL AND GENERAL, 60 hours

PREFIX	NO	SHORT TITLE	CR HRS
MUSTH	101	Sight Ear	1
	102	Sight Ear	1
	111	Music Theory	2
	112	Music Theory	2
	201	Sight Ear	1
	202	Sight Ear	1
	211	Music Theory	2
	212	Music Theory	2
	311	Form Analys	2
	410	Choral Arrng	2
MUHIS	200	Music Lit	2
	330	Music Histry	3
	331	Music Histry	3
MUSCH	499	Recital	1
MUSPE	290	Intro Conduc	2
	391	Chor Con Reh	2
	398	Diction Sing	2
MUSED	258	Voice Tech	2
	391	Choral Lab (.5)	1



	457	Spec Voc/Gen	3
7 hours from			
MUSCH	350	Lrg Vocl Ens (1)	
	351	Lrg Vocl Ens (.5)	7
12 hours from			
MUSPE		applied voice or piano	12
4 hours from			
MUSPE	325	Sec Piano (1)	
	326	Group Piano (1)	4

60 hrs

Piano primary takes 4 hours in minor voice instead of MUSPE 325, 326.

## SCHOOL OF MUSIC (MUSCH)

### New:

MUSCH 611. Internship in Professional Experience. (1.0 TO 3.0) Professional-related musical experience in performing (including conducting) or teaching under the supervision of a master musician or teacher, on or off campus. A summary log or journal is required; remuneration is allowed. Prerequisite: permission of the Graduate Coordinator. A total of 3 hours of credit may be earned.

## DEPARTMENT OF THEATRE AND DANCE

### Revised:

#### MAJOR IN THEATRE, B.F.A., 85 hours

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
<i>Musical theatre option, 53 hours</i>			
THEAT	229	Stage Makeup	2
	233	Acting 2	3
	270	Basic Music 1	2
	271	Basic Music 2	2
	272	Sight Sing 1	1
	273	Sight Sing 2	1
	274	Mus Th Ensem	1
	318	Adv Topics	3
	328	Voice Lesson (1-8)	8
	332	Fresh Perf L	1
	334	Studio 1	3
	335	Studio 2	3
	371	Sing Actor 1	2
	372	Sing Actor 2	2
	430	Studio 7	3
	433	Studio 10	3

DANCE	110	Ballet 1	1
	111	Ballet 2	1
	131	Mus The Tap	1
	132	Jazz Styls 1	1
	230	Jazz 2	2
	231	Tap 2	1
	232	Mus Thea Dnc	2
	332	Adv Mu T Dnc	2
Directed electives, 2 hours from			
THEAT	434	Immersion (3-9)	
	499	Internships (0-9)	2

85 hrs

Students are expected to take or place out of THEAT 232, 333.

The Musical Theatre B.F.A. program is designed as a pre-professional, conservatory style program within a liberal arts education. This interdisciplinary option 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. All seniors will be expected to enroll in an immersive learning experience as well as audition for showcases. Those seniors not participating in the Chicago, Los Angeles and/or New York showcases will be required to perform a half hour recital or cabaret. 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.

## College of Sciences and Humanities

### DEPARTMENT OF BIOLOGY

#### Revised:

#### MAJOR IN BIOLOGY, 61-67 hours

Biology majors are required to take a departmental examination before graduation. This examination is for departmental assessment purposes only; students neither pass nor fail this exam.

*PREFIX NO SHORT TITLE CR HRS*

Mathematics through MATHS 111 or 161 or equivalent is

required.

Common core, 43 hours

BIO	111	Princ Bio 1	4
	112	Princ Bio 2	4
	210	Intro Botany	3
	214	Genetics	4
	215	Cell Biology	4
	216	Ecology	3
	217	Ecology Meth	2
CHEM	111	Gen Chem 1	4
	112	Gen Chem 2	4
	231	Organic 1	4
MATHS	111	PC-Coll Alg (3)	
		or	
	161	Appl Calc 1 (3)	3
PHYCS	110	Gen Phys 1	4
			—
			43 hrs

Complete one option

*Option 1: General, 18-24 hours*

Four elective courses at the 300 level or above in BIO, BIOT, BOT, or ZOOL. Two elective courses with any of the following prefixes: ANAT, ANTH, BIO, BIOT, BOT, CHEM, CS, GEOG, GEOL, MATHS, NREM, PHYCS, PHYSL and HSC, and ZOOL. Courses taken to fulfill University Core Curriculum requirements and biology major requirements may not be used as electives in this category. Only courses designed primarily for students majoring in the respective departments may be used as electives in this category.

18-24 hrs

—  
61-67 hrs

## DEPARTMENT OF COMPUTER SCIENCE

### COMPUTER SCIENCE (CS)

**New:**

CS 496. Software Engineering 2. (3.0) Continuation of CS 495. Must be taken in the semester following CS 495. Involves a senior capstone project with a client partner from the Ball State University community. Prerequisite: CS 495.

**Revised:**

CS 369. Professional Experience. (1.0 TO 4.0) Professional computing experience in an approved program with computing facilities in business and industry. Paid positions only. Experience may be through co-op, internship, or part-time employment. Requires term activity report. Offered on a credit/no credit basis only.

Prerequisite: permission of the department chairperson before starting the experience. A total of 16 hours of credit may be earned, but no more than 4 in any one semester or term, and no more than 3 credit hours counting towards the CS major.

CS 498. Software Engineering 2 (service). (3.0) Continuation of CS 495. Must be taken in the semester following CS 495. Involves a senior capstone project with an external client partner. Prerequisite: CS 495.

## DEPARTMENT OF ENGLISH

### ENGLISH AS A FOREIGN LANGUAGE (ENEFL)

**New:**

ENEFL 146. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for high-intermediate level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENEFL 162. Grammar 6. (3.0 TO 99.0) Emphasizes advanced familiarity with common academic grammar features of English and raises student awareness to improve their ability to interpret and use grammar in authentic and communicative ways. Prerequisite: ENEFL 152 or permission of the program director.

ENEFL 163. Reading 6. (3.0 TO 99.0) Emphasizes advanced skills development in interpretation of texts and reading skills needed to succeed in academic classes designed for native speakers. Prerequisite: ENEFL 153 or permission of the program director.

ENEFL 164. Speaking 6. (3.0 TO 99.0) Emphasizes advanced level opportunities to practice formal and informal speaking skills with a focus on giving impromptu, persuasive and informative speeches. Prerequisite: ENEFL 154 or permission of the program director.

ENEFL 165. Listening 6. (3.0 TO 99.0) Emphasizes advanced listening and note-taking skills focusing on academic lectures as well as strengthening student awareness of different genres of spoken discourse. Prerequisite: ENEFL 155 or permission of the program director.

ENEFL 171. Writing for Graduate Students 6. (3.0 TO 99.0) Emphasizes advanced-level conventions of academic writing in graduate courses. Practice developing writing skills for research. Prerequisite: ENEFL 151 or permission of the program director. Open only to graduate students.

ENEFL 174. ITA Oral Proficiency Training. (3.0 TO

99.0) Emphasizes speaking and pronunciation skills necessary for international students who will be teaching in university classrooms. Prerequisite: permission of the program director. Open only to graduate students.

ENEFL 176. ITA Teacher Training. (3.0 TO 99.0) Emphasizes skills necessary for international students who will be teaching in university classrooms. Practice language skills for classroom interaction including teacher presence, non-verbal communication, and communicative and compensatory strategies. Prerequisite: permission of the program director. Open only to graduate students.

### **Revised:**

ENEFL 141. Writing 4. (3.0 TO 99.0) Emphasizes high intermediate-level conventions of academic writing. Practice developing organizational structure and improving grammatical accuracy in academic essays. Prerequisite: ENEFL 131 or permission of the program director.

ENEFL 142. Grammar 4. (3.0 TO 99.0) Emphasizes high intermediate-level internalization and mastery of complex grammatical structures in English. Practice previously studied communicative grammatical structures and acquire more complex structures necessary for academic speaking and writing. Prerequisite: ENEFL 132 or permission of the program director.

ENEFL 143. Reading 4. (3.0 TO 99.0) Emphasizes high intermediate-level reading and vocabulary strategies. Practice developing and expanding vocabulary through the understanding of roots and affixes. Prerequisite: ENEFL 133 or permission of the program director.

ENEFL 144. Speaking 4. (3.0 TO 99.0) Emphasizes high-intermediate speaking skills necessary for active participation in the university classroom. Practice producing presentations, speeches, and classroom interaction (asking questions, responding to questions, class discussions, etc.). Prerequisite: ENEFL 134 or permission of the program director.

ENEFL 145. Listening 4. (3.0 TO 99.0) Emphasizes high-intermediate listening skills in academic English contexts. Practice understanding speech reduction in academic contexts, the overall structure of discourse (in particular, lectures and their components), note taking, and patterns of English stress and intonation. Prerequisite: ENEFL 135 or permission of the program director.

ENEFL 151. Writing 5. (3.0 TO 99.0) Emphasizes low-advanced-level conventions of academic writing in undergraduate courses. Practice developing advanced writing skills. Prerequisite: ENEFL 141 or permission of the program director.

ENEFL 152. Grammar 5. (3.0 TO 99.0) Emphasizes low-advanced-level internalization and mastery of academic and formal grammatical structures. Acquire more subtle uses and meanings and further develop grammatical skills to produce and comprehend complex structures in academic and formal use. Skills developed will complement skills developed in the advanced writing courses. Prerequisite: ENEFL 142 or permission of the program director.

ENEFL 153. Reading 5. (3.0 TO 99.0) Emphasizes low-advanced academic reading and vocabulary skills. Practice critical reading and discourse analysis, passive recognition of vocabulary, and extensive reading in students' major areas. Prerequisite: ENEFL 143 or permission of the program director.

ENEFL 154. Speaking 5. (3.0 TO 99.0) Emphasizes low-advanced speaking skills and pronunciation of English segmental and prosodic systems. Practice accurately producing advanced sounds, reduced segments, stressed and unstressed syllables, diphthongs, and rhythm and intonation in the academic classroom. Prerequisite: ENEFL 144 or permission of the program director.

ENEFL 155. Listening 5. (3.0 TO 99.0) Emphasizes low-advanced listening skills in academic English contexts. Students will practice expanding their ability to comprehend fast speech reduction in academic contexts, recognizing main ideas in academic lectures, and advanced note-taking skills. Prerequisite: ENEFL 145 or permission of the program director.

ENEFL 161. Writing 6. (3.0 TO 99.0) Emphasizes advanced-level conventions of writing an academic research paper. Practice developing writing skills by researching, organizing, writing, and revising a research paper. Prerequisite: ENEFL 151 or permission of the program director. Open only to undergraduate students.

## **ENGLISH (ENG)**

### **Revised:**

ENG 205. World Literature. (3.0) The study of selected works of world literature other than British and American literature. Prerequisite or parallel: ENG 230 or 206, or permission of the department chairperson. Not open to Honors Students who have completed or will complete HONRS 201, 202, or 203.

## **ENGLISH: INTENSIVE ENGLISH INSTITUTE (ENIEI)**

### **New:**

ENIEI 101. Writing Fundamentals. (3.0 TO 99.0)  
Emphasizes fundamentals of English writing. Students will practice developing written fluency and will review basic sentence patterns, word choice and basic grammatical structures. Prerequisite: permission of the program director.

ENIEI 102. Grammar Fundamentals. (3.0 TO 99.0)  
Emphasizes fundamentals of English communicative grammar. Students will practice recognizing and producing grammar structure necessary for communicative contexts. Prerequisite: permission of the program director.

ENIEI 103. Reading Fundamentals. (3.0 TO 99.0)  
Emphasizes fundamentals of reading in English. Students will practice basic study-related strategies and vocabulary development including recognizing context clues, main ideas, and organizational structures of texts, and identifying word parts. Prerequisite: permission of the program director.

ENIEI 104. Speaking Fundamentals. (3.0 TO 99.0)  
Emphasizes fundamentals of speaking in English. Students will practice basic consonant and vowel sounds and words building up to producing full sentences and brief conversations. Prerequisite: permission of the program director.

ENIEI 105. Listening Fundamentals. (3.0 TO 99.0)  
Emphasizes basic listening skills in English. Practice recognizing basic consonant and vowel sounds and words, building up to recognizing and understanding full sentences and brief conversations. Prerequisite: permission of the program director.

ENIEI 106. Seminar in English as Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for fundamental level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 111. Writing 1. (3.0 TO 99.0) Emphasizes basic-level conventions of English writing. Practice developing written vocabulary and grammatical structures. Prerequisite: ENIEI 101 or permission of the program director.

ENIEI 112. Grammar 1. (3.0 TO 99.0) Emphasizes basic-level oral and written structures in English grammar. Practice basic structures in graded grammatical exercises including basic interactive communicative exercises and basic written structures. Prerequisite: ENIEI 102 or permission of the program director.

ENIEI 113. Reading 1. (3.0 TO 99.0) Emphasizes basic-level reading EFL texts. Practice solving linguistic and cultural problems in reading English as a foreign language.

Prerequisite: ENIEI 103 or permission of the program director.

ENIEI 114. Speaking 1. (3.0 TO 99.0) Emphasizes basic-level speaking skills and strategies in English. Practice building vocabulary and developing oral fluency including stress, rhythm, and intonation. Prerequisite: ENIEI 104 or permission of the program director.

ENIEI 115. Listening 1. (3.0 TO 99.0) Emphasizes basic-level acquisition of listening strategies in English. Practice understanding general meaning, distinguishing common reductions in speech and hearing, and pronouncing the distinctive consonant sounds of English. Prerequisite: ENIEI 105 or permission of the program director.

ENIEI 116. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for basic-level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 121. Writing 2. (3.0 TO 99.0) Emphasizes high-basic writing conventions. Practice developing vocabulary and sentence structures. Prerequisite: ENIEI 111 or permission of the program director.

ENIEI 122. Grammar 2. (3.0 TO 99.0) Emphasizes high-basic oral and written structures in English grammar. Prerequisite: ENIEI 112 or permission of the program director.

ENIEI 123. Reading 2. (3.0 TO 99.0) Emphasizes high-basic reading skills for EFL tests. Practice with level-appropriate decoding of affixes and guessing meaning from context. Prerequisite: ENIEI 113 or permission of the program director.

ENIEI 124. Speaking 2. (3.0 TO 99.0) Emphasizes high-basis conversational speaking skills for everyday interaction in English. Practice using language appropriate for common functions and situations. Prerequisite: ENIEI 114 or permission of the program director.

ENIEI 125. Listening 2. (3.0 TO 99.0) Emphasizes high-basic understanding of conversational interaction in everyday English. Practice making meaning from language appropriate for common functions and situations. Prerequisite: ENIEI 115 or permission of the program director.

ENIEI 126. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for high-basic level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 131. Writing 3. (3.0 TO 99.0) Emphasizes low

intermediate-level conventions of academic writing. Practice developing and organizing coherent paragraphs and improving grammatical accuracy. Prerequisite: ENIEI 121 or permission of the program director.

ENIEI 132. Grammar 3. (3.0 TO 99.0) Emphasizes low intermediate-level internalization and mastery of basic grammatical structures of English and introduces more complex structures. Practice complex communicative English in meaningful contexts. Prerequisite: ENIEI 122 or permission of the program director.

ENIEI 133. Reading 3. (3.0 TO 99.0) Emphasizes low intermediate-level reading and vocabulary strategies. Practice finding the topic, guessing meaning from context, skimming, scanning, mastering basic dictionary use, and recognizing and understanding phrasal verbs. Prerequisite: ENIEI 123 or permission of the program director.

ENIEI 134. Speaking 3. (3.0 TO 99.0) Emphasizes low-intermediate speaking skills for active participation in the university classroom. Introductory practice in producing presentations, speeches, and classroom interaction (asking and responding to questions participating in class discussions, etc.). Prerequisite: ENIEI 124 or permission of the program director.

ENIEI 135. Listening 3. (3.0 TO 99.0) Emphasizes low-intermediate listening skills in English. Practice understanding fast speech reductions in conversations and lectures and recognizing and producing the distinctive vowel sounds of English. Prerequisite: ENIEI 125 or permission of the program director.

ENIEI 136. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for low-intermediate level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 141. Writing 4. (3.0 TO 99.0) Emphasizes high intermediate-level conventions of academic writing. Practice developing organizational structure and improving grammatical accuracy in academic essays. Prerequisite: ENIEI 131 or permission of the program director.

ENIEI 142. Grammar 4. (3.0 TO 99.0) Emphasizes high intermediate-level internalization and mastery of complex grammatical structures in English. Practice previously studied communicative grammatical structures and acquire more complex structures necessary for academic speaking and writing. Prerequisite: ENIEI 132 or permission of the program director.

ENIEI 143, Reading 4. (3.0 TO 99.0) Emphasizes high intermediate-level reading and vocabulary strategies. Practice developing and expanding vocabulary through

the understanding of roots and affixes. Prerequisite: ENIEI 133 or permission of the program director.

ENIEI 144. Speaking 4. (3.0 TO 99.0) Emphasizes high-intermediate speaking skills necessary for active participation in the university classroom. Practice producing presentations, speeches, and classroom interaction (asking questions, responding to questions, class discussions, etc.). Prerequisite: ENIEI 134 or permission of the program director.

ENIEI 145. Listening 4. (3.0 TO 99.0) Emphasizes high-intermediate listening skills in academic English contexts. Practice understanding speech reduction in academic contexts, the overall structure of discourse (in particular, lectures and their components), note taking, and patterns of English stress and intonation. Prerequisite: ENIEI 135 or permission of the program director.

ENIEI 146. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for high-intermediate level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 147. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students. Practice varied topics not covered in other courses. Prerequisite: permission of the program director.

ENIEI 148. Study Skills for International Students 1. (3.0 TO 99.0) Emphasizes basic study skills for success in academic settings. Practice note taking, impromptu writing in English, preparing for tests, understanding organizational structure of lectures, and using library resources. Prerequisite: ENIEI 133 and 135 or permission of the program director.

ENIEI 151. Writing 5. (3.0 TO 99.0) Emphasizes low-advanced-level conventions of academic writing in undergraduate courses. Practice developing advanced writing skills. Prerequisite: ENIEI 141 or permission of the program director.

ENIEI 152. Grammar 5. (3.0 TO 99.0) Emphasizes low-advanced-level internalization and mastery of academic and formal grammatical structures. Acquire more subtle uses and meanings and further develop grammatical skills to produce and comprehend complex structures in academic and formal use. Skills developed will complement skills developed in the advanced writing courses. Prerequisite: ENIEI 142 or permission of the program director.

ENIEI 153. Reading 5. (3.0 TO 99.0) Emphasizes low-advanced academic reading and vocabulary skills. Practice critical reading and discourse analysis, passive recognition

of vocabulary, and extensive reading in students' major areas. Prerequisite: ENIEI 143 or permission of the program director.

ENIEI 154. Speaking 5. (3.0 TO 99.0) Emphasizes low-advanced speaking skills and pronunciation of English segmental and prosodic systems. Practice accurately producing advanced sounds, reduced segments, stressed and unstressed syllables, diphthongs, and rhythm and intonation in the academic classroom. Prerequisite: ENIEI 144 or permission of the program director.

ENIEI 155. Listening 5. (3.0 TO 99.0) Emphasizes low-advanced listening skills in academic English contexts. Students will practice expanding their ability to comprehend fast speech reduction in academic contexts, recognizing main ideas in academic lectures, and advanced note-taking skills. Prerequisite: ENIEI 145 or permission of the program director.

ENIEI 156. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest in ESL students and appropriate for low-advanced level study. Prerequisite: permission of the program director.

ENIEI 157. International Teaching Assistant Preparation. (3.0 TO 99.0) Emphasizes skills necessary for international students who will be teaching in university classrooms. Practice language skills for classroom interaction including teacher presence, non-verbal communication, and communicative and compensatory strategies. Prerequisite: permission of the program director.

ENIEI 158. Study Skills for International Students 2. (3.0 TO 99.0) Emphasizes advanced study skills for success in academic settings. Use authentic materials from major courses to practice advanced study techniques including in-depth library research methods and skills for research-paper writing. Prerequisite: ENIEI 148 or permission of the program director.

ENIEI 161. Writing 6. (3.0 TO 99.0) Emphasizes advanced-level conventions of writing an academic paper. Practice developing writing skills by researching, organizing, writing, and revising a research paper. Prerequisite: ENIEI 151 or permission of the program director. Open only to undergraduate students.

ENIEI 162. Grammar 6. (3.0 TO 99.0) Emphasizes advanced familiarity with common academic grammar features of English and raises student awareness to improve their ability to interpret and use grammar in authentic and communicative ways. Prerequisite: ENIEI 152 or permission of the program director.

ENIEI 163. Reading 6. (3.0 TO 99.0) Emphasizes advanced skill development in interpretation of texts

and reading skills needed to succeed in academic classes designed for native speakers. Prerequisite: ENIEI 153 or permission of the program director.

ENIEI 164. Speaking 6. (3.0 TO 99.0) Emphasizes advanced level opportunities to practice formal and informal speaking skills with a focus on giving impromptu, persuasive, and informative speeches. Prerequisite: ENIEI 154 or permission of the program director.

ENIEI 165. Listening 6. (3.0 TO 99.0) Emphasizes advanced listening and note-taking skills focusing on academic lectures as well as strengthening student awareness of different genres of spoken discourse. Prerequisite: ENIEI 155 or permission of the program director.

ENIEI 166. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for advanced level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 171. Writing for Graduate Students 6. (3.0 TO 99.0) Emphasizes advanced-level conventions of academic writing in graduate courses. Practice developing writing skills for research. Prerequisite: ENIEI 151 or permission of the program director. Open only to graduate students.

ENIEI 174. International Teaching Assistant Speaking Training. (3.0 TO 99.0) Emphasizes speaking and pronunciation skills necessary for international students who will be teaching in university classrooms. Prerequisite: permission of the program director. Open only to graduate students.

ENIEI 176. International Teaching Assistant Preparation. (3.0 TO 99.0) Emphasizes skills necessary for international students who will be teaching in university classrooms. Practice language skills for classroom interaction including teacher presence, non-verbal communication, and communicative and compensatory strategies. Prerequisite: permission of the program director. Open only to graduate students.

ENIEI 181. Special Topics in Writing 8. (3.0 TO 99.0) Emphasizes writing skills in English. Students will develop written fluency, vocabulary, and written grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 182. Special Topics in Grammar 8. (3.0 TO 99.0) Emphasizes English grammar. Students will practice contextually recognizing and producing grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 183. Special Topics in Reading 8. (3.0 TO 99.0) Emphasizes reading skills in English. Students will develop reading fluency, vocabulary, and comprehension skills appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 184. Special Topics in Speaking 8. (3.0 TO 99.0) Emphasizes speaking skills in English. Students will develop speaking fluency in conversations, discussions, and presentations appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 185. Special Topics in Listening 8. (3.0 TO 99.0) Emphasizes listening skills in English. Students will develop listening strategies for conversations, discussions, and lectures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 186. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for advanced level study. Topics for this course will vary each session. Prerequisite: permission of the program director.

ENIEI 191. Special Topics in Writing 9. (3.0 TO 99.0) Emphasizes writing skills in English. Students will develop written fluency, vocabulary, and written grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 192. Special Topics in Grammar 9. (3.0 TO 99.0) Emphasizes English grammar. Students will practice contextually recognizing and producing grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 193. Special Topics in Reading 9. (3.0 TO 99.0) Emphasizes reading skills in English. Students will develop reading fluency, vocabulary, and comprehension skills appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 194. Special Topics in Speaking 9. (3.0 TO 99.0) Emphasizes speaking skills in English. Students will develop speaking fluency in conversations, discussions, and presentations appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 195. Special Topics in Listening 9. (3.0 TO 99.0) Emphasizes listening skills in English. Students will develop listening strategies for conversations, discussions, and lectures appropriate for their levels. Prerequisite: permission of the program director.

ENIEI 196. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students and appropriate for university-level study.

Topics for this course will vary each session. Prerequisite: permission of the program director.

## **INTENSIVE ENGLISH INSTITUTE (IEI)**

### **New:**

IEI 101. Writing. (3.0 TO 99.0) Emphasizes writing skills in English. Students will develop written fluency, vocabulary, and written grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

IEI 102. Grammar. (3.0 TO 99.0) Emphasizes English grammar. Students will practice contextually recognizing and producing grammatical structures appropriate for their levels. Prerequisite: permission of the program director.

IEI 103. Reading. (3.0 TO 99.0) Emphasizes reading skills in English. Students will develop reading fluency, vocabulary, and comprehension skills appropriate for their levels. Prerequisite: permission of the program director.

IEI 104. Speaking. (3.0 TO 99.0) Emphasizes speaking skills in English. Students will develop speaking fluency in conversations, discussions, and presentations, appropriate for their levels. Prerequisite: permission of the program director.

IEI 105. Listening. (3.0 TO 99.0) Emphasizes listening skills in English. Students will develop listening strategies for conversations, discussions, and lectures appropriate for their levels. Prerequisite: permission of the program director.

IEI 106. English Special Topics. (3.0 TO 99.0) Emphasizes varied topics which are relevant to international students' adaptation to academic life in the United States. Course titles will be announced before each session. Prerequisite: permission of the program director.

IEI 111. Writing Fundamentals. (3.0 TO 99.0) Emphasizes fundamentals of English writing. Students will practice developing written fluency and will review basic sentence patterns, word choice, and basic grammatical structures. Prerequisite: permission of the program director.

IEI 112. Grammar Fundamentals. (3.0 TO 99.0) Emphasizes fundamentals of English communicative grammar. Students will practice recognizing and producing basic grammar structure necessary for communicative contexts. Prerequisite: permission of the program director.

IEI 113. Reading Fundamentals. (3.0 TO 99.0) Emphasizes fundamentals of reading in English. Students will practice basic study-reading strategies and vocabulary development

including recognizing context clues, main ideas, and organizational structures of texts, and identifying word parts. Prerequisite: permission of the program director.

IEI 114. Speaking Fundamentals. (3.0 TO 99.0) Emphasizes fundamentals of speaking in English. Students will practice forming basic consonant and vowel sounds and words, building up to producing full sentences and brief conversations. Prerequisite: permission of the program director.

IEI 115. Listening Fundamentals. (3.0 TO 99.0) Emphasizes basic listening skills in English. Practice recognizing basic consonant and vowel sounds and words, building up to recognizing and understanding full sentences and brief conversations. Prerequisite: permission of the program director.

IEI 121. Writing 1. (3.0 TO 99.0) Emphasizes basic-level conventions of English writing. Practice developing written vocabulary and grammatical structures. Prerequisite: IEI 111 or permission of the program director.

IEI 122. Grammar 1. (3.0 TO 99.0) Emphasizes oral and written structures in English grammar. Practice basic structures in graded grammatical exercises including basic interactive communicative exercises and basic written structures. Prerequisite: IEI 112 or permission of the program director.

IEI 123. Reading 1. (3.0 TO 99.0) Emphasizes reading EFL texts. Practice solving linguistic and cultural problems in reading English as a foreign language. Prerequisite: IEI 113 or permission of the program director.

IEI 124. Speaking 1. (3.0 TO 99.0) Emphasizes low-level speaking skills and strategies in English. Practice building vocabulary and developing oral fluency including stress, rhythm, and intonation. Prerequisite: IEI 114 or permission of the program director.

IEI 125. Listening 1. (3.0 TO 99.0) Emphasizes acquisition of listening strategies in English. Practice understanding general meaning, distinguishing common reductions in speech and hearing, and pronouncing the distinctive consonant sounds of English. Prerequisite: IEI 115 or permission of the program director.

IEI 131. Writing 2. (3.0 TO 99.0) Emphasizes low intermediate-level conventions of academic writing. Practice developing and organizing coherent paragraphs and improving grammatical accuracy. Prerequisite: IEI 121 or permission of the program director.

IEI 132. Grammar 2. (3.0 TO 99.0) Emphasizes low intermediate-level internalization and mastery of basic grammatical structures of English and introduces more

complex structures. Practice complex communicative English in meaningful contexts. Prerequisite: IEI 122 or permission of the program director.

IEI 133. Reading 2. (3.0 TO 99.0) Emphasizes low intermediate-level reading and vocabulary strategies. Practice finding the topic, guessing meaning from context, skimming, scanning, mastering basic dictionary use, and recognizing and understanding phrasal verbs. Prerequisite: IEI 123 or permission of the program director.

IEI 134. Speaking 2. (3.0 TO 99.0) Emphasizes conversational speaking skills for everyday interaction in English. Practice using language appropriate for common functions and situations. Prerequisite: IEI 124 or permission of the program director.

IEI 135. Listening 2. (3.0 TO 99.0) Emphasizes intermediate listening skills in English. Practice understanding fast speech reductions in conversations and lectures and recognizing and producing the distinctive vowel sounds of English. Prerequisite: IEI 125 or permission of the program director.

IEI 141. Writing 3. (3.0 TO 99.0) Emphasizes high intermediate-level conventions of academic writing. Practice developing organizational structure and improving grammatical accuracy in academic essays. Prerequisite: IEI 131 or permission of the program director.

IEI 142. Grammar 3. (3.0 TO 99.0) Emphasizes high intermediate-level internalization and mastery of complex grammatical structures in English. Practice previously studied communicative grammatical structures and acquire more complex structures necessary for academic speaking and writing. Prerequisite: IEI 132 or permission of the program director.

IEI 143. Reading 3. (3.0 TO 99.0) Emphasizes high intermediate-level reading and vocabulary strategies. Practice developing and expanding vocabulary through the understanding of roots and affixes. Prerequisite: IEI 133 or permission of the program director.

IEI 144. Speaking 3. (3.0 TO 99.0) Emphasizes intermediate speaking skills necessary for active participation in the university classroom. Practice producing presentations, speeches, and classroom interaction (asking and responding to questions participating in class discussions, etc.) Prerequisite: IEI 134 or permission of the program director.

IEI 145. Listening 3. (3.0 TO 99.0) Emphasizes intermediate listening skills in academic English contexts. Practice understanding speech reduction in academic contexts, the overall structure of discourse (in particular, lectures and their components), note taking, and patterns



of English stress and intonation. Prerequisite: IEI 135 or permission of the program director.

IEI 147. Seminar in English as a Second Language (ESL). (3.0 TO 99.0) Emphasizes specific topics in interest to ESL students. Practice varied topics not covered in other courses. Prerequisite: permission of the program director.

IEI 148. Study Skills for International Students 1. (3.0 TO 99.0) Emphasizes basic study skills for success in academic settings. Practice note taking, impromptu writing in English, preparing for tests, understanding organizational structure of lectures, and using library resources. Prerequisite: IEI 133 and 135 or permission of the program director.

IEI 151. Writing 4. (3.0 TO 99.0) Emphasizes advanced-level conventions of academic writing in undergraduate courses. Practice developing advanced writing skills. Prerequisite: IEI 141 or permission of the program director. Open only to undergraduate students.

IEI 152. Grammar 4. (3.0 TO 99.0) Emphasizes advanced-level internalization and mastery of academic and formal grammatical structures. Acquire more subtle uses and meanings and further develop grammatical skills to produce and comprehend complex structures in academic and formal use. Skills developed will complement skills developed in the advanced writing courses. Prerequisite: IEI 142 or permission of the program director.

IEI 153. Reading 4. (3.0 TO 99.0) Emphasizes advanced academic reading and vocabulary skills. Practice critical reading and discourse analysis, passive recognition of vocabulary, and extensive reading in students' major areas. Prerequisite: IEI 143 or permission of the program director.

IEI 154. Speaking 4. (3.0 TO 99.0) Emphasizes advanced speaking skills and pronunciation of English segmental and prosodic systems. Practice accurately producing advanced sounds, reduced segments, stressed and unstressed syllables, diphthongs, and rhythm and intonation in the academic classroom. Prerequisite: IEI 144 or permission of the program director.

IEI 155. Listening 4. (3.0 TO 99.0) Emphasizes advanced listening skills in academic English contexts. Students will practice expanding their ability to comprehend fast speech reduction in academic contexts, recognizing main ideas in academic lectures, and advanced note-taking skills. Prerequisite: IEI 145 or permission of the program director.

IEI 157. International Teaching Assistant Preparation. (3.0 TO 99.0) Emphasizes skills necessary for international students who will be teaching in university classrooms.

Practice language skills for classroom interaction including teacher presence, non-verbal communication, and communicative and compensatory strategies. Prerequisite: permission of the program director.

IEI 158. Study Skills for International Students 2. (3.0 TO 99.0) Emphasizes advanced study skills for success in academic settings. Use authentic materials from major courses to practice advanced study techniques including in-depth library research methods and skills for research-paper writing. Prerequisite: IEI 148 or permission of the program director.

IEI 161. Writing 5. (3.0 TO 99.0) Emphasizes advanced-level conventions of academic writing in graduate courses. Practice developing writing skills for research. Prerequisite: IEI 141 or permission of the program director. Open only to graduate students.

## DEPARTMENT OF GEOGRAPHY

### New:

#### CERTIFICATE IN GIScience, 21 hours

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
GEOG	240	Map Reading	3
	265	Intro G I S	3
	340	Cart Vis 1	3
	342	Intr Rem Sen	3
9 hours from			
GEOG	343	Adv Rem Sens (3)	
	344	Adv GIS Anly (3)	
	443	Sem Rem Sen (3)	
	444	Adv Cart Vis (3)	
	445	GIS App Desg (3)	
	448	GIS Sys Desg (3)	9

21 hrs

Students who select GEOG 444 should take GEOG 341 to meet the prerequisite.

### Revised:

#### MAJOR IN GEOGRAPHY, 51-69 hours

Recommended minors for all options include anthropology, history, and natural resources and environmental management.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
Core requirements, 15 hours			
GEOG	101	Erth Sea Sky	3

150	Global Geog	3
240	Map Reading	3
250	Spat Methods	3
265	Intro G I S	3
		15 hrs

*Option 4: Meteorology and climatology - general, 36-39 hours*

GEOG	230	Elem Meteor	3
	330	Wea Analysis	3
	331	Glob Climate	3
	332	Clim Change	3
	334	Atmos Hazard	3
	344	Adv GIS Anly	3
	350	U S Canada	3
	450	Meso Meteor	3

6-9 hours from			
GEOG	351	Lat Am Carib (3)	
	352	Africa (3)	
	354	Asia (3)	
	356	Russ Neigh (3)	
	357	Europe (3)	
	490	F Obs Se L S (3)	6-9

6 hours from			
GEOG	340	Cart Vis 1 (3)	
	341	Cart Vis 2 (3)	
	342	Intr Rem Sen (3)	
	343	Adv Rem Sens (3)	
	410	Brdcst Meteor (3)	
	435	Satrad Meteo (3)	
	443	Sem Rem Sen (3)	
	445	GIS App Desg (3)	
	448	G I S Sys Desg (3)	6

51-54 hrs

For students intending on careers with either the National Weather Service or as broadcast meteorologists that wish to qualify for the American Meteorological Society Certified Broadcast Meteorologist (CBM) designation, the following option is required:

*Meteorology and climatology – professional, 51-54 hours*

GEOG	230	Elem Meteor	3
	330	Wea Analysis	3
	331	Glob Climate	3
	332	Clim Change	3
	334	Atmos Hazard	3
	344	Adv GIS Anly	3
	350	U S Canada	3
	425	Phys Meteor	3
	435	Satrad Meteo	3
	447	Thermo Meteo	3
	449	Synop Meteor	3

450	Meso Meteor	3	
451	Dynamic Mete	3	
6-9 hours from			
GEOG	351	Lat Am Carib (3)	
	352	Africa (3)	
	354	Asia (3)	
	356	Russ Neigh (3)	
	357	Europe (3)	
	490	F Obs Se L S (6)	6-9

6 hours from			
GEOG	340	Cart Vis 1 (3)	
	341	Cart Vis 2 (3)	
	342	Intr Rem Sen (3)	
	343	Adv Rem Sens (3)	
	410	Brdcst Meteor (3)	
	443	Sem Rem Sen (3)	
	445	GIS App Desg (3)	
	448	G I S Sys Desg (3)	6

66-69 hrs

PHYCS 120 and 122, MATHS 165 and 166 required as prerequisite. Differential equations and another related science course are required for civil service employment. Additional course work in the basic sciences such as mathematics, physics, and computer science is encouraged. Recommended minors for option 4 include natural resources and environmental management, telecommunications, and journalism.

**MINOR IN METEOROLOGY AND CLIMATOLOGY, 15 hours**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
GEOG	101	Erth Sea Sky	3
	230	Elem Meteor	3
	330	Wea Analysis	3
3 hours from			
GEOG	331	Glob Climate (3)	
	332	Clim Change (3)	3

3 hours from			
GEOG	410	Brdcst Meteor (3)	
	435	Satrad Meteo (3)	
	449	Synop Meteor (3)	
	450	Meso Meteor (3)	3

15 hrs

*Not open to geography option 4 majors.*

**DEPARTMENT OF GEOLOGICAL SCIENCES**

**Revised:**

## MASTER OF ARTS IN GEOLOGY

### Degree Requirements

Requires 30 hours of graduate courses, and passing the following National Association of State Boards of Geology (ASBOG) tests: the Fundamentals of Geology Examination and the Practice of Geology Examination. Each student must register for the 1-credit Research Colloquium during each Fall and Spring Semester of full-time graduate study.

PREFIX	NO	SHORT TITLE	CR	HRS
Geology seminar requirement, 9 hours from				
GEOL	605	Sem Strat (3)		
	610	Sem Sediment (3)		
	626	Sem Tectonic (3)		
	660	Sem Hydrogeo (3)		
	670	Sem Geochem (3)		
	671	Sem Geomorph (3)	9	
Research methods requirement				
GEOL	685	Geo Res Meth	3	
Approved graduate electives in geology, including up to three counted credits from GEOL 500, Research Colloquium				
			9	
Approved major or minor in a second discipline or GEOL and/or other approved electives				
			9	
				30 hrs

## MASTER OF SCIENCE IN GEOLOGY

### Degree Requirements

Requires 30 hours of graduate courses. Each student must register for the 1-credit Research Colloquium during each Fall and Spring Semester of full-time graduate study, and write a thesis which fulfills 6 hours of the 30-hour requirement. In a normal course of study, students are required to determine the thesis topic by the end of the second semester. The completed thesis document is subject to approval by the committee following a public oral defense.

PREFIX	NO	SHORT TITLE	CR	HRS
Geology seminar requirement, 9 hours from				
GEOL	605	Sem Strat (3)		
	610	Sem Sediment (3)		
	626	Sem Tectonic (3)		
	660	Sem Hydrogeo (3)		
	670	Sem Geochem (3)		
	671	Sem Geomorph (3)	9	

Thesis requirement  
THES 698 Thesis (1-6) 6

Approved graduate electives in geology, including up to three counted credits from GEOL 500, Research Colloquium 6

Approved major or minor in a second discipline or GEOL and/or other approved electives 9

30 hrs

## DEPARTMENT OF MATHEMATICAL SCIENCES

### Revised:

### MINOR IN FOUNDATIONS OF BUSINESS FOR ACTUARIAL SCIENCE AND MATHEMATICS MAJORS, 22 hours

PREFIX	NO	SHORT TITLE	CR	HRS
ACC	201	Prin Acct 1	3	
ECON	201	Elem Micro	3	
	202	Elem Macro	3	
MATHS	159	Mth Software	3	
	321	Math Stat	4	
FIN	300	Prin Fin 1	3	
	310	Invest 1	3	
				22 hrs

Students should complete MATHS 320 to satisfy the prerequisite for MATHS 321.

## DEPARTMENT OF MODERN LANGUAGES AND CLASSICS

### CHINESE (CH)

#### New:

CH 334. Chinese Culture and Civilization. (3.0) An advanced course in Chinese culture and civilization intended for students who are interested in learning Chinese culture(s) and civilization. Prerequisite: permission of the instructor.

CH 338. Business Chinese. (3.0) Provides a descriptive introduction to Chinese business culture embedded in Chinese culture and provides training in Chinese business language with an emphasis on various commercial forms and terminology used in business, banking, and other industries. Culture component taught in English. Prerequisite: CH 202 or two years of study in the target

language at the college level (or the equivalent).

**Revised:**

CH 301. Advanced Chinese 1. (4.0) Designed for students with credit in CH 202. Further skill development in the idiomatic use of the Chinese language and increased understanding of Chinese culture. Prerequisite: CH 202 or two years of study in the Chinese language at the college level (or the equivalent).

CH 302. Advanced Chinese 2. (4.0) Designed for students with credit in CH 301. Enhances skills in fluent idiomatic use of the Chinese language and understanding of Chinese culture. Includes an introduction to some of the masterpieces of Chinese literature in translation. Prerequisite: CH 301 or its equivalent.

**DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES**

**PHILOSOPHY (PHIL)**

**New:**

PHIL 400. Immersive or Experiential Learning. (1.0 TO 6.0) Immersive or experiential learning provides students with experiences that are integrative, collaborative, and reflective. Students will demonstrate the ability to communicate effectively both orally and in writing. Courses are designed to meet Tier 3 requirements. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term.

**DEPARTMENT OF PSYCHOLOGICAL SCIENCE**

**Revised:**

**MASTER OF ARTS IN CLINICAL PSYCHOLOGY**

A two-year program designed to provide training consistent with that expected of a scientist-practitioner clinical psychologist.

**Degree Requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
PSYSC	632	Abnormal	3
	640	Assessmnt 1	3
	644	Assessmnt 2	3
	652	Intr Psythrp	3
	653	Adv Psythrp	3
	685	Clinical Int (3-6)	6

PSYSC	616	Percp Cognit (3)	
	or		
	623	Theor Persnl (3)	3
	668	Physiological	3
	680	Res Meth Psy	3
	691	Systems	3
	696	Sem Divrsity	3
EDPSY	642	Interim Stat	3

**Additional requirement**

Approved electives by the graduate program director and/or RES 697 or THES 698 9

48 hrs

PSYSC 623 is required if no undergraduate personality course was taken. The university research and writing requirement is met by PSYSC 680 and EDPSY 642.

All graduate courses in psychological science are required to include diversity as a course objective.

**MASTER OF ARTS IN COGNITIVE AND SOCIAL PROCESSES**

A two-year program designed to provide extensive training in social and cognitive psychology, research methods and statistics.

**Degree Requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
PSYSC	616	Percp Cognit	3
	617	Memor	3
	618	Thinking	3
	623	Theor Persnl	3
	680	Res Meth Psy	3
	691	Systems	3
	696	Sem Divrsity	3
EDPSY	642	Interim Stat	3
SOPSY	610	Social	3
	615	Social Cog	3
	660	Contemporary	3
		Electives (general)	6-12
		THES 698 or RES 697 or elective approved by Graduate Program Director	3-6

42-45 hrs

The university research and writing requirement can be met by PSYSC 680 and EDPSY 642. All graduate courses in psychological science address diversity as one of the course objectives. PSYSC 691, SOPSY 610 may be waived if equivalent undergraduate course(s) taken.

**PSYCHOLOGICAL SCIENCE (PSYSC)**

<b>Dropped:</b>	<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
PSYSC 681. Orientation to Professional Psychology. (1.0)	EDPSY	612	Psy Consult	2
		640	Methodology (3)	
		or		
		643	Rsrch Design (3)	3
		641	Statist Meth	3
		651	Pers Asses	3
		653	Cog Assess	3
		654	Acad Interv	3
		685	Intr Sch Psy	2
		686	Pre-Prac Con	1
		687	Pre Prac (1-4)	1
		688	Prac Consult (3-6)	3
		689	Pra Psychol (1-6)	3
		690	Intrn Psych (3)	6
	CPSY	621	Theo Tch Cou (3)	
		or		
		688	Group Technq (3)	3
	SPCED	609	Intro A B A	3
		610	Beh Consult	3
		600	Except Child (3)	
		or		
	EDPSY	745	Dia Lrn Diso (3)	3
	PSYSC	623	Theor Personl (3)	
		or		
	CPSY	631	Personality (3)	3
		3 hours from		
	EDPSY	652	Intro Neuro (3)	
		750	Dev Psycpath (3)	
	CPSY	636	Psychopathol (3)	
	PSYSC	632	Abnormal (3)	3
		3 hours from		
	EDCUR	601	Curric Devel (3)	
		610	Elem Sch Cur (3)	
		620	Sec Sch Cur (3)	
		630	Jr H Mid Cur (3)	3
		3 hours from		
	EDPSY	600	Adv Ed Psy (3)	
		765	Theor Learnng (3)	
		768	Cognit Devel (3)	3
		3 hours from		
	EDPSY	603	Human Devel (3)	
		627	Child Devel (3)	
		628	Adoles Devel (3)	
		720	Dev Research (3)	3
		3 hours from		
	EDRDG	610	El Sch Readg (3)	
		620	Content Rdg (3)	
		640	Issues Rdg (3)	
		680	Clas Rdg Diag (3)	3

## DEPARTMENT OF SOCIAL WORK

### SOCIAL WORK (SOCWK)

#### Revised:

SOCWK 230. Human Behavior and the Social Environment 1. (3.0) Builds a foundational understanding of people and their social environments focusing primarily on factors that influence human behavior such as culture, class, race, ethnicity, sexual orientation, gender identity, gender, discrimination, economic forces, organizations, and communities. Covers theories and knowledge about the ways social systems promote or deter people in maintaining or achieving health and well-being. Prerequisite: SOCWK 100; permission of the department chairperson. Parallel: SOC 242 or 100 (waived for social work minors and family life educator certification and child development candidates). Open only to social work majors and minors, and family life educator certification and child development candidates.

## Teachers College

### DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

#### Revised:

#### Ed.S. IN EDUCATIONAL PSYCHOLOGY (SCHOOL)

Candidates for the specialist degree in educational psychology (school) at Ball State University must have satisfactorily completed a minimum of 72 hours of graduate credit beyond the baccalaureate (that may include credit earned at the master's degree level); the departmentally approved examination; the professional portfolio of evidence; and supervised practicum and internship experiences. Because the specialist degree is intended for those seeking school psychologist licensure in Indiana and other states, all course work must be approved by the program director.

A full-time continuous residency or an alternate planned experience agreed to by the program director is required for all students while attending the program.

See the licensure program for school psychology for a listing of specific course work. Check with the program director for any recent changes dictated by professional organizations or licensure requirements.

3 hours from			
SOPSY	610	Social (3)	
	615	Social Cog (3)	
	620	Group Dynamc (3)	
	640	Attitudes (3)	
	655	Coun Applic (3)	
	660	Contemporary (3)	3
3 hours from			
EDMUL	660	Mlti Clt Eth (3)	
	670	Multrl Minor (3)	
EDEL	644	Educ Div Soc (3)	
EDFON	651	Ed Sociology (3)	
CPSY	678	Coun Cul Div (3)	3
			69 hrs

**Ph.D. IN EDUCATIONAL PSYCHOLOGY (SCHOOL)**

The Ph.D. program consists of a minimum of 90 hours of graduate credit, 48 of which must be completed at Ball State University. The candidate must complete a major in school psychology of at least 40 hours and either a single cognate of 24 hours or two cognates of 15 hours each. As required by the Commission on Accreditation of the American Psychological Association, all students must complete a professional psychology core including courses in the biological aspects of behavior, the cognitive and affective aspects of behavior, and the social aspects of behavior. Course work in individual differences, human development, dysfunctional behavior or psychopathology, cultural and individual diversity, and professional standards and ethics also are required. Theories and methods of assessment and diagnosis, effective consultation and supervision, and evaluating the efficacy of interventions are required course work. In addition, candidates must complete course work in the history and systems of psychology, psychological measurement, research methodology, and techniques of data analysis. All candidates for the degree must submit a research project for presentation or publication in addition to the completion of a dissertation and a doctoral-level internship at sites approved by both the school psychology internship and program directors. Candidates are expected to meet the requirements for Indiana school psychologist licensure as outlined in the section Requirements for School Services Licenses.

Students applying for the program should check with the program for any recent changes dictated by professional organizations or licensure requirements.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
EDPSY	603	Human Devel	3
	612	Psy Consult	2
	640	Methodology (3)	

or			
643	Rsrch Design (3)		3
641	Statist Meth		3
642	Interim Stat		3
651	Pers Asses		3
652	Intro Neuro		3
653	Cog Assess		3
654	Acad Interv		3
685	Intr Sch Psy		2
686	Pre-Prac Con		1
687	Pre Prac (1-4)		1
688	Prac Consult (3-6)		3
689	Pra Psychol (1-6)		3
720	Dev Research		3
741	Ap Regres An		3
745	Dia Lrn Diso (3)		3
746	Theory Meas		3
750	Dev Psycpath		3
765	Theor Learnng		3
775	Evd Bas TX		3
776	Prof Issues		3
789	Sup Sch Psych		3
791	Intern Spsy		3
792	Int Prof Psy (3-9)		3
EDCUR	610	Elem Sch Cur	3
EDRDG	610	El Sch Readg	3
SOPSY	610	Social	3
CPSY	621	Theo Tch Cou	3
	631	Personality	3
	678	Coun Cul Div	3
SPCED	609	Intro A B A	3
	610	Beh Consult	3
PSYSC	691	Systems	3
ID	705	Resrch Collq (1-3)	2

Additional Requirements		
Completion of a cognate of 24 hours		24
Completion of at least 10 dissertation hours		10
		132 hrs

**DEPARTMENT OF ELEMENTARY EDUCATION**

**EDUCATION: ELEMENTARY (EDEL)**

**Revised:**

EDEL 680. Advanced Teaching Methods in Language Arts. (3.0) This course provides an understanding of the relationship of listening, speaking, reading, and writing. Identification of instructional challenges in each of these areas and explorations of possible solutions can lead to a more integrated language arts program.

**EDUCATION: READING (EDRDG)**

**Revised:**

EDRDG 545. Using Technology in Reading. (3.0)  
Candidates will explore many different possibilities for integrating cutting-edge technology into the literacy program and explore how technology affects the development of literacy strategies and skills. Prerequisite: EDRDG 400, 430; or approval of the director of reading or the department chairperson. Not open to students who have credit in EDRDG 445.

**DEPARTMENT OF SPECIAL  
EDUCATION****SPECIAL EDUCATION (SPCED)****New:**

SPCED 606. Response to Intervention: Seminar. (3.0)  
Provides the framework for the implementation of RTI. The components of RTI implementation and the role of school personnel in that change will be investigated. Course will assist school personnel in developing answers to key questions facing educators who are attempting to implement RTI within their respective districts.

SPCED 607. Response to Intervention: Tracking Student Progress. (3.0) Students will study and practice the components of response to intervention models that track student progress. Methods of progress monitoring will be explored. Course will direct students through the process of data based decision making and guide students in the models and levels of RTI.

Ron Murphy, Associate Director  
Office of Academic Systems