BALL STATE UNIVERSITY

ACADEMIC POSTING
2009 - 2010

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins April 26, 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 March 24, 2010 is Fall Semester 2011. Graduate materials posted after January 27, 2009 have an implementation date of Fall Semester 2011.*

University Core Curriculum

Revised:

TIER 1 Foundation

One course required from each category:

Written Communication

ENG	104	Comp Resrch (3)	
	114	Comp Res Hon (3)	3

Oral Communication

COMM	210	Fund Pub Com (3)	3

History

HIST	150	West World (3)	
	151	World Civ 1 (3)	
	152	World Civ 2 (3)	3

Mathematics

MATHS	125	Math Applic (3)	
	136	Business Mth (4)	
	161	Appl Calc 1 (3)	
	165	Calculus 1 (4)	
	201	Num Alg Prob (4)	
	207	Math Ex Ln (4)	3-4

Physical Wellness

PFW	100	Phys Cond (2)	
	101	PFW Activity (1)	
	102	PFW Lecture (1)	
	103	Walking (2)	
	104	Jogging (2)	
	105	APFW (2)	
	117	Watr Arobics (2)	
	148	Aerobics (2)	
	160	IPFW (1-2)	
	217	Swimming (2)	2

Personal Finance

FIN	101	Fiscal Well (1)	
	110	Pers Finance (3)	
FCS	135	Fin Literacy (1)	1-3

TIER 1 Domain

One course required from each category:

Fine Arts

AED	200	Underst Art (3)	
AHS	100	Intro Art (3) (I)	
	101	Art Survey 1 (3) (I)	
DANCE	100	In Dnce Hist (3)	
MUHIS	100	Intro Music (3) (I)	
	330	Music Histry (3)	
THEAT	100	Intro Theat (3)	3

Humanities

ANTH	111	Anth Cul Glb (3) (IR)	
CC	101	Word Origins (3)	
	105	Classic Wrld (3) (IR)	
CH	102	Beginning 2 (4) (IR)	
	201	Intermed 1 (4) (IR)	
	202	Intermed 2 (4) (IR)	
ENG	206	Reading Lit (3)	
	213	Intr Dig Lit (3) (T)	
FR	102	Beginning 2 (4) (IR)	
	201	Intermed 1 (3) (IR)	
	202	Intermed 2 (3) (IR)	
GEOG	121	Cultural Env (3)	
GER	102	Beginning 2 (4) (IR)	
	201	Intermed 1 (3) (IR)	
	202	Intermed 2 (3) (IR)	
GRK	102	Beginning 2 (3) (IR)	
	201	Intermed 1 (3) (IR)	
	202	Intermed 2 (3) (IR)	
HIST	198	Non West Civ (3) (IR)	
	201	US 1492-1876 (3) (A)	
	202	US 1877-Pres (3) (A)	
HONRS	201	Inq Anc Wrld (3)	
JAPAN	102	Beg Jpn 2 (4) (IR)	
	201	Intermed 1 (4) (IR)	
	202	Intermed 2 (4) (IR)	

LAT	102	Beginning 2 (3) (IR)
	201	Intermed 1 (3) (IR)
	202	Intermed 2 (3) (IR)
PHIL	100	Introduction (3)
RELST	160	Rel & Cultur (3)
SP	102	Beginning 2 (4) (IR)
	201	Intermed 1 (3) (IR)
	202	Intermed 2 (3) (IR)

Natural Sciences

ANTH	105	Int Bio Anth (3)
ASTRO	100	Astronomy (3)
	120	Sun & Stars (3)
BIO	100	Bio Modern (3) (E)
	111	Princ Bio 1 (4)
	112	Princ Bio 2 (4)
CHEM	100	People Chem (3)
	101	Biochem HSc (5)
	111	Gen Chem 1 (4)
GEOG	101	Erth Sea Sky (3)
GEOL	101	Planet Earth (3) (E)
HSC	160	Human Health (3)
NREM	101	Env & Socy (3) (E)
PHYCS	100	Cncept Phycs (3)
	101	Sci Concp Te (1-3)
	110	Gen Phycs 1 (4)
	120	Gen Phycs 1 (5)

Social Sciences

ANTH	101	Intr Culturl (3) (IR)
	103	Archaeology (3)
CJC	101	Crim Jus Sys (3)
	102	Intro Crim (3)
COMM	290	Intercul Com (3) (IR)
	240	Human Comm (3)
ECON	116	Survey Ideas (3) (R)
	201	Elem Micro (3) (R)
	247	Econ-Media (3)
GEOG	150	Global Geog (3)
HONRS	189	Global St (3) (I)
POLS	130	Amer Nat Gov (3)
	293	Intl Relatns (3) (I)
PSYSC	100	General (3)
SOC	100	Principles (3)
	224	Family Soc (3)
	242	Problems (3)
	260	Society Indv (3)

TIER 2
One course required from any 2 categories:
Fine Arts/Design

AHS	200	Crit Persp (3) (I)
	201	Art Critcsm (3) (W)
HONRS	203	19/20/21 Cnt (3) (W)
ITDPT	280	3D Prototyp (3) (T)
ITEDU	102	Design Techn (3) (T)
ITGRA	184	Comp App G A (3) (T)

	286	Dig Photo 1 (3) (T)
ITMFG	105	Tec Dsgn Gra (3) (T)
MUHIS	105	Mus Pop Cul (3) (A)
	331	Music Histry (3) (WI)
MUMET	100	Mus Industry (3) (T)
MUSED	265	Bsc Mu Clsrm (3) (W)

3-4 Humanities

ENG	402	Cult Stu (3) (W)
	405	Sp Top Cr Wr (3) (W)
	491	Afr Am Lit (3) (WRA)
FR	334	Civ Cult Old (3) (IR)
	335	Civ Cult Mod (3) (IR)
	360	Int Fr Lit R (3) (IR)
GER	361	Intro Lit 1 (3) (IR)
HIST	310	Int Hist Bus (3) (A)
HONRS	202	Mdl/Ren/Enlt (3) (W)
JAPAN	334	Culture Civ (3) (IR)
PHIL	202	Ethics (3) (W)
	203	Social Phil (3) (RA)
	230	Envir Ethics (3) (WSE)
	315	African Amer (3) (WRA)
SP	334	Civ Cult Sp (3) (IR)
	335	Civ Cult L A (3) (IR)
	360	In Hisp Read (3) (IR)

3-5 Natural Sciences

ASTRO	124	Solar System (3) (T)
BIO	102	Bio Concepts (3) (E)
	113	Microbio HSc (5) (I)
	216	Ecology (3) (IE)
	220	Ecol Issues (3) (E)
CHEM	112	Gen Chem 2 (4) (T)
CS	200	Comp & Soc (3) (AT)
GEOL	206	Oceans Natns (3) (IE)
HONRS	296	Physical Sci (3) (E/T)
	297	Earth Sci (3) (E/T)
	298	Life Sci (3) (E/T)

Social Sciences

ANTH	301	History Anth (4) (W)
	311	Ethnicity (3) (R)
CJC	311	Race Gender (3) (R)
	329	Decision Mak (3) (R)
ECON	202	Elem Macro (3) (RA)
	279	Prob Em Nats (3) (IR)
3	311	Environ Econ (3) (WIE)
	348	Health Econ (3) (RA)
	351	Internat Eco (3) (I)
EDFON	420	Fnds of Educ (3) (RA)
EDMUL	205	Multi Educ (3) (R)
	302	Self & Soci (3) (R)
	370	Rep & Multi (3) (R)
	400	Top Seminar (3) (R)
EDTEC	355	Emerge Tech (3) (T)
HONRS	199	Cnt US Issue (3) (A)
HSC	180	Prn Com Hlth (3) (S)

	471	Death Dying (3) (R)
ITDPT	406	Tech Dec-Mak (3) (T)
NREM	205	Intl NR Cons (3) (IER)
PSYSC	324	Psych Women (3) (R)
	325	Prej&Discrim (3) (R)
	424	Diversity (3) (R)
SOC	228	Global (3) (IE)
	333	Media (3) (A)
	380	Research (3) (W)
	425	Law (3) (A) 6

TIER 3 Course/Experience
One course required:

AT	492	Pract 2 A T (1-3)
BIO	217	Ecology Meth (2) (W)
CJC	369	Prof Exp (12 or 15)
	471	Practicum (3-6)
	479	Prac Exp (12 or 15)
COMM	369	Professional (1-6)
	412	Rhetorc Crit (3) (W)
	465	Comm Inquiry (3) (W)
	479	Prac Exper (1-6)
CS	496	Soft Eng 2 (3) (W)
	498	Soft Eng 2 S (3) (WS)
EXSCI	479	Ex Sc Int (12)
FCS	403	FCS Practice (3) (W)
ENG	444	Sr Seminar (3) (W)
HONRS	499	Hnrs Project (3)
ITGRA	480	Cap Gr Art (3) (W)
PHIL	400	Immerse/Exp (1-6)
PSYSC	492	Research Sem (1-2)
SOC	492	Capstone (3) (S)
SPTAD	479	Spt Ad Inter (12)

Student Teaching:

EDALG	470	St Tch (6-7)
EDEL	400	St T Pre Kin (6)
	401	St T Kinderg (6)
	402	St T Primary (6)
	463	St Tch Elem (3)
	464	St Tch Elem (6)
	465	St Tch Elem (3)
EDJHM	465	Elec St Tch (3 or 5)
EDSEC	460	St Tch Secon (6-7)
	465	Elec St Tch (3 or 5)
SPCED	466	St Tch H I (1-12)
	489	St Tch M D (1-12)
	491	St Tc Sec Md (1-12)
	492	St Tch S D (6-12)

Wiser + Courses
Writing
One course required:

AHS	201	Art Critcsm (3)
ANTH	301	History Anth (4)
BIO	217	Ecology Meth (2)
COMM	412	Rhetorc Crit (3)

	465	Comm Inquiry (3)
CS	496	Soft Eng 2 (3)
	498	Soft Eng 2 S (3)
ECON	311	Environ Econ (3)
ENG	230	Read Wr Lit (3)
	285	Intr Cr Wr (3)
	402	Cult Stu (3)
	405	Sp Top Cr Wr (3)
	444	Sr Seminar (3)
	491	Afr Am Lit (3)
FCS	403	FCS Practice (3)
FR	302	Composition (3)
HONRS	202	Mdl/Ren/Enlt (3)
	203	19/20/21 Cnt (3)
ISOM	249	Fnds Bus Com (3)
	341	Bus Mgl Comm (3)
ITGRA	480	Cap Gr Art (3)
MUHIS	331	Music Histry (3)
MUSED	265	Bsc Mu Clsrm (3)
NREM	331	Enrg Min Res (3)
PHIL	202	Ethics (3)
	230	Envir Ethics (3)
	315	African Amer (3)
	415	Pro Prac Eth (3)
SOC	380	Research (3) 3-4

One course required from any category below:

American Institutions

CS	200	Comp & Soc (3)
ECON	202	Elem Macro (3)
	348	Health Econ (3)
EDEL	100	Ed Dem Soc (3)
EDFON	420	Fnds of Educ (3)
ENG	491	Afr Am Lit (3)
HIST	201	US 1492-1876 (3)
	202	US 1877-Pres (3)
	310	Int Hist Bus (3)
HONRS	199	Cnt US Issue (3)
	390	Hon Colloq (1-3)
MUHIS	105	Mus Pop Cul (3)
PHIL	203	Social Phil (3)
	315	African Amer (3)
SOC	333	Media (3)
	425	Law (3)

Environment

ANTH	312	Ecology (3)
	455	Primatology (3)
BIO	100	Bio Modern (3)
	102	Bio Concepts (3)
	216	Ecology (3)
	220	Ecol Issues (3)
ECON	311	Environ Econ (3)
GEOL	101	Planet Earth (3)
	206	Oceans Natns (3)
HONRS	296	Physical Sci (3)
	297	Earth Sci (3)

NREM	298	Life Sci (3)
	390	Hon Colloq (1-3)
NREM	101	Env & Socy (3)
	205	Intl NR Cons (3)
	331	Enrg Min Res (3)
PHIL	230	Envir Ethics (3)
SOC	228	Global (3)

International

AHS	100	Intro Art (3)
	101	Art Survey 1 (3)
	200	Crit Persp (3)
ANTH	101	Intr Culturl (3)
	111	Anth Cul Glb (3)
BIO	113	Microbio HSc (5)
	216	Ecology (3)
CC	105	Classic Wrld (3)
CH	102	Beginning 2 (4)
	201	Intermed 1 (4)
	202	Intermed 2 (4)
COMM	290	Intercul Com (3)
ECON	279	Prob Em Nats (3)
	311	Environ Econ (3)
	351	Internat Eco (3)
ENG	205	Wrld Litertr (3)
FR	102	Beginning 2 (4)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
	334	Civ Cult Old (3)
	335	Civ Cult Mod (3)
	360	Int Fr Lit R (3)
GEOL	206	Oceans Natns (3)
GER	102	Beginning 2 (4)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
	361	Intro Lit 1 (3)
GRK	102	Beginning 2 (3)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
HIST	198	Non West Civ (3)
HONRS	189	Global St (3)
	390	Hon College (1-3)
JAPAN	102	Beg Jpn 2 (4)
	201	Intermed 1 (4)
	202	Intermed 2 (4)
	334	Culture Civ (3)
LAT	102	Beginning 2 (3)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
MUHIS	100	Intro Music (3)
	331	Music Histry (3)
NREM	205	Intl NR Cons (3)
	309	Globl Change (3)
POLS	293	Intl Relatns (3)
SOC	228	Global (3)
SP	102	Beginning 2 (4)
	201	Intermed 1 (3)

	202	Intermed 2 (3)
	334	Civ Cult Sp (3)
	335	Civ Cult L A (3)
	360	In Hisp Read (3)

Respect

ANTH	101	Intr Culturl (3)
	111	Anth Cul Glb (3)
	311	Ethnicity (3)
CC	105	Classic Wrld (3)
CH	102	Beginning 2 (4)
	201	Intermed 1 (4)
	202	Intermed 2 (4)
CJC	311	Race Gender (3)
	329	Decision Mak (3)
COMM	290	Intercul Com (3)
ECON	116	Survey Ideas (3)
	201	Elem Micro (3)
	202	Elem Macro (3)
	279	Prob Em Nats (3)
	348	Health Econ (3)
EDEL	244	Ed Soc Just (3)
EDFON	420	Fnds of Educ (3)
EDMUL	205	Multi Educ (3)
	302	Self & Soci (3)
	370	Rep & Multi (3)
	400	Top Seminar (3)
ENG	491	Afr Am Lit (3)
FR	102	Beginning 2 (4)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
	334	Civ Cult Old (3)
	335	Civ Cult Mod (3)
	360	Int Fr Lit R (3)
GER	102	Beginning 2 (4)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
	361	Intro Lit 1 (3)
GRK	102	Beginning 2 (3)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
HIST	198	Non West Civ (3)
HONRS	390	Hon Colloq (1-3)
HSC	471	Death Dying (3)
ISOM	249	Fnds Bus Com (3)
JAPAN	102	Beg Jpn 2 (4)
	201	Intermed 1 (4)
	202	Intermed 2 (4)
	334	Culture Civ (3)
LAT	102	Beginning 2 (3)
	201	Intermed 1 (3)
	202	Intermed 2 (3)
NREM	205	Intl NR Cons (3)
PHIL	203	Social Phil (3)
	315	African Amer (3)
PSYSC	324	Psych Women (3)
	325	Prej&Discrim (3)

	424	Diversity (3)	
SOCWK	230	Behav Envr 1 (3)	
SP	102	Beginning 2 (4)	
	201	Intermed 1 (3)	
	202	Intermed 2 (3)	
	334	Civ Cult Sp (3)	
	335	Civ Cult L A (3)	
	360	In Hisp Read (3)	

Service

CS	269	Service Lrn (3)	
	369	Profes Exper (1-4)	
	498	Soft Eng 2 S (3)	
EDEL	100	Ed Dem Soc (3)	
ENG	409	Cr Wrt Comm (3)	
FL	395	Tch For Lang (3)	
HONRS	390	Hon College (1-4)	
HSC	180	Prn Com Hlth (3)	
PHIL	230	Envir Ethics (3)	
SOC	492	Capstone (3)	

Technology

ASTRO	124	Solar System (3)	
CHEM	112	Gen Chem 2 (4)	
CS	104	Intro Comp (3)	
	110	Intro C S (3)	
	120	Comp Sci 1 (4)	
	200	Comp & Soc (3)	
EDTEC	355	Emerge Tech (3)	
ENG	213	Intr Dig Lit (3)	
FL	396	Tech Assess (3)	
HONRS	296	Physical Sci (3)	
	297	Earth Sci (3)	
	298	Life Sci (3)	
	390	Hon Colloq (1-3)	
ISOM	125	Micro App (3)	
ITDPT	280	3D Prototyp (3)	
	406	Tech Dec-Mak (3)	
ITEDU	102	Design Techn (3)	
ITGRA	184	Comp App G A (3)	
	286	Dig Photo 1 (3)	
ITMFG	105	Tec Dsgn Gra (3)	
	161	Int Mfg Idus (3)	
MUMET	100	Mus Industry (3)	
NREM	335	Renew Energy (3)	3-4

College of Architecture and Planning

DEPARTMENT OF ARCHITECTURE

MASTER OF ARCHITECTURE

Admission

The professional master of architecture degree (MArch) is for students who seek licensure in the profession. The MArch is accredited by the National Architectural Accrediting Board (NAAB).

Applicants to the MArch program must meet the admission requirements of the Ball State University Graduate School and the Department of Architecture. International students must also meet the requirements of the Rinker Center for International Programs. Applicants must hold a baccalaureate degree from an accredited program in architecture or its equivalent (Option 1). Applicants with a baccalaureate degree in a field other than architecture, if accepted, are required to complete a set of undergraduate courses in architecture, to be determined individually, prior to beginning the master of architecture courses (Option 2).

Programs of Study

The Department of Architecture offers two options for completing a master of architecture:
Option 1: this program of studies is for graduates of accredited undergraduate architecture programs or their international equivalents, and requires 46 graduate credits for completion. Students are admitted in the fall semester only.

Option 2 (career change): this program of studies is for students holding a bachelor's degree in academic fields other than architecture. The number of undergraduate prerequisite courses required for successful completion before commencing graduate courses is determined after evaluation of prior academic work.

Degree requirements for Option 1
All students must complete a minimum of 46 credits, consisting of a set of core seminar and architecture studio courses (25 credits); a minimum of three directed electives (9); a minimum of four free electives (12 credits); and an immersive away experience outside of the College of Architecture and Planning consisting of a) a professional internship or b) an approved academic or research experience.

Required Courses in the MArch Option 1

PREFIX	NO	SHORT TITLE	CR HRS
ARCH	501	Comp Studio	6
	520	Prof Prac	3

	555	Immersiv Exp	0
	600	Arch Wrkshop	3
	601	Topic Studio	6
	602	Final Studio	6
	603	Proj Prep	1
			_____
			25 hrs

Directed electives
A minimum of three credit hours must be taken
from each of the following directed elective areas:
Research methods, 3 hours from

ARCH	503	Res Methods (3)	
	573	HP Research (3)	
PLAN	695	Pl Cap Rs Mt (1)	
	696	Pl Cap Rs M2 (1)	
	697	Pl Res Met 3 (1)	3

Integrated building practices, technical skills and
knowledge, 3 hours from

ARCH	630	Fund Hist Pres (3)	
	631	Life Safety (3)	
	632	Hi Perf Bldg (3)	
	633	Green Tech (3)	
	634	Fab Seminar (3)	
	635	Bldg Modling (3)	3

Critical thinking and representation, 3 hours from

ARCH	640	Hst Thry Crt (3)	
	641	Cultural Fac (3)	
	642	Arch Theory (3)	
	643	Struct Ordin (3)	
	644	Sust Theory (3)	3

Free electives
A minimum of four free elective graduate courses are
required; can include 590 (Independent Study) and 598
(Special Studies in Architecture) and any graduate course
at Ball State University approved by the graduate program
director.

Degree Recap for Option 1
Core requirements (25 credits)
Directed electives (9 credits)
Free electives (12 credits)
Immersive away experience (0)
Total required graduate credits for the MArch
Option 1 = 46 hours

Degree Requirements for Option 2
Students are admitted as graduate students on a
conditional basis. They must complete a number of
undergraduate prerequisite courses (maximum 58 credits)
listed below, the number of credit hours to be determined
after evaluation of prior academic work. Upon completion,
all students must complete a minimum of 46 credits,

consisting of a set of core seminar and architecture studio
courses (25 credits); a minimum of three directed electives
(9); a minimum of four free electives (12 credits); and an
immersive away experience outside of the College of
Architecture and Planning consisting of a) a professional
internship or b) an approved academic or research
experience.

Undergraduate prerequisite courses, 58 hours maximum

PREFIX	NO	SHORT TITLE	CR HRS
ARCH	103	Dsgn Studio	6
	163	Dsgn Media 1	4
	203	Dsgn Studio	4
	214	Build Tech 1	3
	218	Structures 1	3
	229	Hist Arch 1	3
	252	Social Issues	3
	263	Digital Med	3
	273	Env Sys 1	3
	304	Dsgn Studio	5
	314	Build Tech 2	3
	318	Structures 2	3
	329	Hist Arch 2	3
	373	Env Sys 2	3
	403	Dsgn Studio	6
	418	Structures 3	3
			_____
			58 hrs

Required Courses in the MArch Option 2

ARCH	501	Comp Studio	6
	520	Prof Prac	3
	555	Immersiv Exp	0
	600	Arch Wrkshop	3
	601	Topic Studio	6
	602	Final Studio	6
	603	Proj Prep	1
			_____
			25 hrs

Directed electives
A minimum of three credit hours must be taken
from each of the following directed elective areas:
Research methods, 3 hours from

ARCH	503	Res Methods (3)	
	573	HP Research (3)	
PLAN	695	Pl Cap Rs Mt (1)	
	696	Pl Cap Rs Ms (1)	
	697	Pl Res Met 3 (1)	3

Integrated building practices, technical skills and
knowledge, 3 hours from

ARCH	630	Fund Hist Pres (3)	
	631	Life Safety (3)	

632	Hi Perf Bldg (3)	
633	Green Tech (3)	
634	Fab Seminar (3)	
635	Bldg Modling (3)	3

Critical thinking and representation, 3 hours from

ARCH	640	Hst Thry Crt (3)	
	641	Cultural Fac (3)	
	642	Arch Theory (3)	
	643	Struct Ordin (3)	
	644	Sust Theory (3)	3

Free electives
A minimum of four free elective graduate courses are required; can include 590 (Independent Study) and 598 (Special Studies in Architecture) and any graduate course at Ball State University approved by the graduate program director.

Degree Recap for Option 2
Undergraduate prerequisites (58 credits maximum)
Core requirements (25 credits)
Directed electives (9 credits)
Free electives (12 credits)
Immersive away experience (0)
Total required graduate credits for the MArch
Option 2 = 46 hours

Miller College of Business

DEPARTMENT OF ECONOMICS

ECONOMICS (ECON)

New:

ECON 612. State and Local Economic Development. (3.0) This course presents the economic foundations for managing state and local economic development activities. Neoclassical and modern growth theory, and the fundamentals of business location theory are presented, along with public budgeting and institutional detail of economic development activities within state and local government activities within developed economies. Prerequisite: full admission to a BSU graduate program.

ECON 681. Health Economics and Policy. (3.0) The study applies economic concepts to understand how various decisions made by individuals, business, and government affect health care access, quality, and cost. Specific applications may also be taken from the pharmaceutical, medical device, and other industries. Prerequisite: ECON 201 or equivalent.

DEPARTMENT OF FINANCE AND INSURANCE

FINANCE (FIN)

Revised:

FIN 500. Corporation Finance. (3.0) Principles underlying the financial management of nonfinancial corporations. Topics include: goals of the firm; financial planning, forecasting, and control; principles of valuation; investment decisions under certainty and uncertainty; capital structure decisions and cost of capital; dividend policy; management of current assets; sources of short-term funds and security law. Prerequisite: admission to a graduate or certification program of the university; ACC 201 or 501 or equivalent. Not open to students who have credit in FIN 300 or equivalent.

DEPARTMENT OF INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT

BUSINESS EDUCATION (BED)

Revised:

BED 387. Teaching Business and Marketing in Middle and Secondary School. (3.0) Curriculum, objectives, planning, and methods for teaching business and marketing courses in middle and secondary schools. Emphasis on curriculum development, lesson and unit planning, classroom management, evaluation, instructional materials, and teaching strategies. Prerequisite: ACC 201; ECON 201; EDPSY 251; ISOM 112, 125. Parallel: EDSEC 380; EDJHM 385.

DEPARTMENT OF MARKETING AND MANAGEMENT

MANAGEMENT (MGT)

Revised:

MGT 500. Managing Organizational Behavior. (3.0) Examines theoretical and practical foundations of managing organizational behavior. Discusses functions of management, principles of individual and group behavior, human resource management/law, special issues of

managing behavior in organizations, including quality of work-life, and ethical and social responsibility.
Prerequisite: admission to a graduate or certification program of the university. Not open to students who have credit in MGT 300 or equivalent.

College of Communication, Information, and Media

DEPARTMENT OF JOURNALISM

Dropped:

JOINT JOURNALISM-CICS PROGRAM

Revised:

TEACHING MAJOR IN JOURNALISM, 31 hours (See baccalaureate information for admission and retention standards.)

PREFIX	NO	SHORT TITLE	CR HRS
JOURN	101	Med Am Soc	3
NEWS	105	Journ Story	2
	108	Fndnts Story	1
	109	Fndnts Ethcs	1
	120	News Gth Res	1
	121	News Gth Int	1
	122	Jrn Stor Evt	1
	130	Media Design	1
	131	Media Stills	1
	132	Media Audio	1
	133	Media Video	1
	221	Jrn Stor Iss	3
	240	Cur Iss News	1
	270	Audnc Cmnty	1
	340	Cur Iss Ldrs	1
	397	Immers Topic	3
	409	Fndnts Legal	2
	497	Immers Media	3

3 hours from			
NEWS	233	Media Rpt (3)	
	234	Media Graph (3)	
	235	Media Photoj (3)	3

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31 hrs

SENIOR HIGH, JUNIOR HIGH/MIDDLE SCHOOL EDUCATION PROGRAM

PREFIX	NO	SHORT TITLE	CR HRS
Professional education sequence, 40 hours			
JOURN	150	Intr Jrn Ed	3
EDMUL	205	Multi Educ	3
EDPSY	251	Dev Sec Ed	3
	390	Educ Psychol	3
EDSEC	380	Prin Sec Sch	3
EDJHM	385	Prin Mid Sch	3
JOURN	395	Tch Pub Mthd	4
	474	Prod Sec Pub	3
EDFON	420	Fnds of Educ	3
Student teaching			12

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40 hrs

Admission

Applicants must meet the admission requirements of the Graduate School, meet a cumulative undergraduate minimum grade point average (GPA) of 3.0 on a 4.0 scale, and submit official scores from the Graduate Record Examination (GRE). International students may substitute the Test of English as a Foreign Language (TOEFL) for the GRE and must achieve a minimum score on the TOEFL of 550. Candidates without the required minimum GPA or GRE/TOEFL score will be considered for admission upon submission of supplemental evidence as specified by the Department of Journalism.

Applicants must also submit three recommendations using department forms, a current resume or curriculum vitae and a 500- to 1,000-word narrative detailing relevant background, reasons for undertaking graduate study in this department, and the relationship of such study to long-term goals and interests in journalism or public relations.

MASTER OF ARTS IN JOURNALISM

Journalism graduate study emphasizes the theory, management, and research elements of the discipline as well as the skills.

The program takes students beyond the practical points of the profession to give them a behavioral perspective on their profession and its role in society. The program prepares students to enter the journalism profession, to move into positions of leadership, and to continue education and research at the doctoral level. In addition, students select either a practicum or an internship at the graduate level to gain more practical experience if their backgrounds require it.

Students are required to earn a grade of *C* or better in each graduate course.

The program gives students the opportunity to culminate their course of study with a traditional thesis, or creative project. The creative project may consist of a major writing project of publishable quality or other professional option.

Degree Requirements

PREFIX	NO	SHORT TITLE	CR HRS

Core requirements
Thesis track, 36-41 hours

PREFIX	NO	SHORT TITLE	CR HRS
JOURN	601	Jrn Com Std	3
	606	News Mgmt	3
	611	Sem Jrn Prin	3
	612	Writing Semr	3
	613	Sem Lit Jrn	3
	615	Inv Rept	3
	680	J Comm Resch	3
THES	698	Thesis (1-6)	6

Professional track, 33-41 hours

PREFIX	NO	SHORT TITLE	CR HRS
JOURN	601	Jrn Com Std	3
	606	News Mgmt	3
	611	Sem Jrn Prin	3
	612	Writing Semr	3
	613	Sem Lit Jrn	3
	615	Inv Rept	3
	680	J Comm Resch	3
CRPRJ	698	Creat Proj (3 or 6)	3 or 6

Students must complete one emphasis listed below
Business reporting emphasis, 9 hours

JOURN	630	Bus Report	3

6 hours from

MGT	500	Mng Org Beh (3)	
ACC	501	Fin Acct (3)	
MKG	505	Survey Mrktg (3)	
ECON	509	Survey Econ (3)	6

General Journalism emphasis, 9 hours
9 hours electives from JOURN or NEWS — 9

Information and communication technologies emphasis, 14 hours

ICS	620	Technol	4
	621	Info Movemnt	4

6 hours from

CS	639	Seminar (3)	
ICS	623	Integration (3)	
	624	Know Mgt (3)	
	645	Evo Databse (3)	
	684	Info Access (3)	
	691	Internetwork (3)	
ISOM	601	Intro Cp Sec (3)	

MBA	623	Elect Comm (3)	6

Literary journalism emphasis, 9 hours

ENG	611	Wkp Cr Nonfi	3
JOURN	614	Writ Lit Jrn	3
Electives			3

Students in the literary journalism emphasis must take CRPRJ 698 for 6 credit hours.

MASTER OF ARTS IN PUBLIC RELATIONS

Public relations graduate study stresses the planning and organization required to improve levels of public understanding based on two-way communications. Emphasis is placed on public relations as a professional activity. The program gives the student an understanding of the interrelationships of management, organization, and communication theories. The students will be assigned to either a practicum or an internship course to gain practical experience and develop a portfolio if their backgrounds require it.

Students are required to earn a grade of *C* of better in each graduate course.

Degree Requirements

PREFIX	NO	SHORT TITLE	CR HRS

Core Requirements
Thesis track, 36-47 hours

PREFIX	NO	SHORT TITLE	CR HRS
JOURN	601	Jrn Com Std	3
	680	J Comm Resch	3
PR	605	PR Mgt	3
	620	Sem PR Fdnts	3
	660	PR Theories	3
	662	PR Case Stud	3
	664	PR Eval Tech	3
	665	PR Campaigns	3
THES	698	Thesis (1-6)	6
Electives			3

3 hours from

SOC	682	Statistics (3)	
EDPSY	641	Statist Meth (3)	3
			_____
			36 hrs

Professional track, 33-44 hours

JOURN	601	Jrn Com Std	3
	680	J Comm Resch	3
PR	605	PR Mgt	3
	620	Sem PR Fdnts	3
	660	PR Theories	3
	662	PR Case Stud	3
	664	PR Eval Tech	3
	665	PR Campaigns	3
CRPRJ	698	Creat Proj (3 or 6)	3 or 6

Electives   3

3 hours from

SOC	682	Statistics (3)	
EDPSY	641	Statist Meth (3)	3

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33-36 hrs

Students may complete one emphasis listed below to complement the MA in public relations. If an emphasis is selected, the 3 hour elective requirement may be satisfied with a course listed within an emphasis area below.

Business emphasis, 12 hours

MGT	500	Mng Org Beh	3
ACC	501	Fin Acct	3
MKG	505	Survey Mrktg	3
ECON	509	Survey Econ	3

Communication emphasis, 12 hours

ICS	601	Prob In I C	3
COMM	610	Persuasion	3
	635	Intpers Comm	3
	660	Comm Theory	3

Information and communication technologies emphasis, 14 hours

ICS	620	Technol	4
	621	Info Movemnt	4

6 hours from

CS	639	Seminar (3)	
ICS	623	Integration (3)	
	624	Know Mgt (3)	
	645	Evo Databse (3)	
	684	Info Access (3)	
	691	Internetwork (3)	
ISOM	601	Intro Cp Sec (3)	
MBA	623	Elect Comm (3)	6

Public affairs emphasis, 12 hours

POLS	503	Issues Pols	3
	572	Pol Campaign	3
SOPSY	610	Social	3

3 hours from
HIST (approved by graduate advisor)   3

Sport communication emphasis, 12 hours

PEP	690	Sp Sociology	3
SPTAD	603	Eth Phil Spt	3
	676	Sp Admin Pol	3

3 hours from

SPTAD	611	Sp Marketing (3)	
	615	Sport Law (3)	3

Students without undergraduate degrees in public relations or journalism (or substantial professional experience in journalism or public relations) will be required to take up to 12 hours at the undergraduate level. Students must meet departmental selective admission requirements.

JOURNALISM LICENSE ADDITION, 26 hours

PREFIX	NO	SHORT TITLE	CR HRS
JOURN	101	Med Am Soc	3
	395	Tch Pub Mthd	4
	474	Prod Sec Pub	3
NEWS	105	Journ Story	2
	109	Fndnts Ethcs	1
	120	News Gth Res	1
	121	News Gth Int	1
	122	Jrn Stor Evt	1
	130	Media Design	1
	131	Media Stills	1
	132	Media Audio	1
	133	Media Video	1
	221	Jrn Stor Iss	3
	240	Cur Iss News	1
	409	Fndnts Legal	2

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26 hrs

JOURNALISM (JOURN)

Dropped:

JOURN 102. Information Gathering. (3.0)

JOURN 105. Journalistic Storytelling. (3.0)

JOURN 230. Introduction to Photojournalism. (3.0)

JOURN 245. Editorial Presentation. (3.0)

JOURN 301. History of Journalism. (3.0)

JOURN 326. Media Ethics and the Workplace. (3.0)

JOURN 416. World Press Systems. (3.0)

JOURN 434. Advanced Photo-Illustration. (3.0)

JOURN 445. Advanced Editorial Presentation. (3.0)

New:

JOURN 611. Seminar in Journalism and Communication Principles. (3.0) Students will enhance skills needed for

success in graduate study in journalism; critical thinking, information gathering, analytical reading, writing, and multimedia and interpersonal skills. Examines issues surrounding the roles, significance, and influence of mass communication in society and culture. Identifies social, political, economic, technological, and cultural issues affecting journalism today.

NEWS (NEWS)

Dropped:

NEWS 201. Newswriting. (3.0)

NEWS 202. News Reporting. (3.0)

NEWS 385. Multimedia Storytelling. (3.0)

NEWS 485. Advanced News Seminar. (3.0)

PUBLIC RELATIONS (PR)

New:

PR 620. Seminar in Public Relations Foundations. (3.0) Explores the theory and practice of public relations with an overview of the fundamentals including principles, writing skills, and strategic campaign development. Provides students with a basic foundation for professional public relations activities and advanced graduate level instruction.

DEPARTMENT OF TELECOMMUNICATIONS

NEWS (NEWS)

Dropped:

NEWS 201. Newswriting. (3.0)

NEWS 202. News Reporting. (3.0)

NEWS 385. Multimedia Storytelling. (3.0)

NEWS 485. Advanced News Seminar. (3.0)

College of Fine Arts

DEPARTMENT OF ART

ART: CRAFTS (ACR)

Revised:

ACR 511. Advanced Ceramics. (3.0 TO 6.0) A continued study in ceramics for advanced ceramics students. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

ACR 521. Advanced Metals. (3.0 TO 6.0) Advanced work in metals that assumes a proficiency in basic techniques. Student and instructor will work together to establish an individual direction, emphasizing experimentation along with investigation of contemporary and historical trends. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

ART: FINE ARTS (AFA)

Revised:

AFA 501. Advanced Drawing. (3.0 TO 6.0) Advanced drawing, stressing research and experimentation and individual problem-solving in a variety of media with greater expectations of proficiency in each successive course. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

AFA 511. Advanced Painting. (3.0 TO 6.0) Advanced painting, stressing continued individual growth in technical proficiency and personal creative and conceptual progress with each successive course in a variety of media. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

AFA 521. Advanced Sculpture. (3.0 TO 6.0) Advanced sculptural study. Follows specific needs and encourages individual direction. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students

AFA 531. Advanced Printmaking. (3.0 TO 6.0) Study in printmaking techniques. Emphasis on the ability to deal creatively and conceptually with the technical process. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

ART (ART)

Revised:

ART 511. Advanced Animation. (3.0 TO 6.0) Advanced graduate-level study within animation. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

ART 521. Advanced Video and Intermedia Art. (3.0 TO 6.0) Advanced graduate-level study within video and intermedia art. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

ART 531. Advanced Photography. (3.0 TO 6.0) Advanced study of photography or photo-related studies. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term. Open only to accepted graduate students.

SCHOOL OF MUSIC

MUSIC HISTORY AND MUSICOLOGY (MUHIS)

Revised:

MUHIS 200. Survey of Music Literature. (2.0) Survey of styles, forms, and masterworks of music emphasizing the period 1700 to the present. Required for majors and minors. A grade of *C* or better is required to continue in the music history sequence. Prerequisite: MUSTH 112.

DEPARTMENT OF THEATRE AND DANCE

THEATRE (THEAT)

Revised:

THEAT 434. Immersion Experience. (1.0 TO 12.0) Students may choose a creative or academic experience in theatre or dance. Written documentation of this immersion experience and proof of analytical/research/ pre-production work will accompany the performance or final product. Topics must be pre-approved by advisor. Prerequisite: permission of the department chairperson. A total of 12 hours of credit may be earned.

College of Sciences and Humanities

INTERDEPARTMENTAL PROGRAMS

New:

CERTIFICATE IN SCIENCE AND ENTREPRENEURSHIP, 60-96 hours

The Certificate in Science and Entrepreneurship combines a major in a life, physical, computational or mathematical science from the College of Sciences and Humanities (CSH) with the Minor in Entrepreneurship from the Miller College of Business (MCOB) and seminar/workshop and career counseling preparation from the Career Center to facilitate the transition of CSH science graduates from academic science to employment and advancement in corporate (small or large) science. The transition is as much cultural as it is substantive. The interdisciplinary, multi-college curriculum and co-curriculum recognize that the preparation for a successful life in science begins with the first step after graduation, which may not be graduate school for all.

1) Satisfactory completion of a non-teaching major in one of the following departments

Biology	62-69
Chemistry	42-54
Computer Science	68-78
Geological Science	61-67
Mathematical Sciences	49-61
Natural Resources & Environmental Management	65-68
Physiology and Health Science (Health Science only)	55
Physics and Astronomy	65-78

2) Satisfactory completion of the Minor in Entrepreneurship (Miller College of Business) for non-business majors   18

3) Satisfactory completion of a Career Center program, consisting of an initial Career Center advising appointment, a minimum of seven (7) seminars and workshops (e.g., Orientation to the Professional Workplace, How to Write a Resume, Interviewing for Success, How to Make a Presentation, Interview Skills Workshop, Skills Employers Want, Marketing Your Certificate Program for Employment Success), the creation and revision of a professional resume, and

successful completion of practice interviews.　0

DEPARTMENT OF ANTHROPOLOGY

ANTHROPOLOGY (ANTH)

Dropped:

ANTH 200. Sophomore Seminar. (2.0)

ANTH 491. Senior Seminar in Anthropology. (3.0)

Revised:

ANTH 204. Fundamentals of Archaeology. (3.0) Introduces the types of data dealt with by archaeology, approaches to data recovery, methods of analysis, and problems of interpretation. Differing problems of traditional research archaeology and modern archaeological resource management are considered. Prerequisite: ANTH 103 or permission of the instructor.

ANTH 329. Laboratory Methods in Material Culture. (4.0) Addresses artifacts as reflections of culture. Focuses on ethnoarchaeology and experimental archaeology, as well as the integration of research design, recovery, identification, and laboratory analysis of artifacts from archaeological sites. Prerequisite: ANTH 103.

ANTH 529. Laboratory Methods in Material Culture. (4.0) Addresses artifacts as reflections of culture. Focuses on ethnoarchaeology and experimental archaeology, as well as the integration of research design, recovery, identification, and laboratory analysis of artifacts from archaeological sites.

DEPARTMENT OF COMPUTER SCIENCE

COMPUTER SCIENCE (CS)

Dropped:

CS 500. Fundamentals of Computing. (3.0)

CS 514. Introduction to Programming 1. (3.0)

CS 516. Introduction to Programming 2. (3.0)

CS 534. Networked Databases. (3.0)

CS 537. Network Programming. (3.0)

CS 693. Research Colloquium. (1.0)

CS 697. Software Engineering. (3.0)

New:

CS 515. Game Programming. (3.0) An introduction to game programming. Topics include active and passive rendering, sprite animation, collision detection, audio playback, input devices, deployment, and applications of artificial intelligence. Prerequisite: CS 324. Not open to students who have credit in CS 315.

CS 597. Multitier Web Architectures. (3.0) Topics include n-tier architectures, data access and application logic layers, Web services, scalability, advanced XML, service-oriented architectures, object access protocols, and Web site administration and security. Projects will be used to reinforce concepts. Prerequisite: CS 324. Not open to students who have credit in CS 397.

CS 629. Special Topics. (1.0 TO 6.0) Special topics in computer science for non-CS graduate students. Topics will be posted by the department prior to registration. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.

CS 691. Software Requirements and Design. (3.0) Methods, tools, and notations for requirements capture, analysis and design. Unified Modeling Language (UML), logic and algebraic specification, prototyping, use cases, domain modeling, software architecture, design patterns, refactoring, software reuse. Prerequisite: CS 690.

CS 692. Software Verification and Validation. (3.0) Concepts and techniques for testing software; unit, integration, system, and regression testing; test coverage, test case generation, tools for automated testing. Verification of nonfunctional properties. Prerequisite: CS 690.

Revised:

CS 249. Forensics. (2.0) Introduction to digital forensics as applied to gathering evidence of inappropriate behavior on a computer. Includes an examination of prominent file system architectures and search algorithm techniques, physical characteristics of magnetic media, secure deletion methodologies, and cryptology. Prerequisite: CS 203.

CS 527. Internetworking. (3.0) The hardware and software of computer networks and distributed processing. Develops the important design parameters and a general

design methodology. Prerequisite: CS 324. Not open to students who have credit in CS 427.

CS 530. System Programming. (3.0) Considers the computer system from the points of view of its architecture, operating system, and applications. Topics include processor organization, peripheral devices, I/O programming, system programs, monitor services, file organization, and real-time applications. Prerequisite: CS 230. Not open to students who have credit in CS 430.

CS 536. Database Design. (3.0) An introduction to database design, including physical representation, modeling, database systems, and implementation. Prerequisite: CS 324. Not open to students who have credit in CS 436.

CS 538. Computer Graphics. (3.0) Methods of developing, modifying, and rendering graphics displays. Emphasizes the design and writing of graphics software for both two- and three-dimensional displays. Knowledge of a structured high-level language is required. Prerequisite: CS 324. Not open to students who have credit in CS 438.

CS 539. Current Topics. (3.0) In-depth study of a topic taught in a seminar format. Topics will be posted in the department before registration. Prerequisite: CS 324, 335. A total of 9 hours of credit may be earned, but no more than 6 in any one semester or term.

CS 545. Human-Computer Interaction. (3.0) Investigation into the principles and practice of user interface design, evaluation, and implementation. Topics include user-centered design, graphical user interface programming, evaluation methods, and software architectures. Prerequisite: CS 324.

CS 547. Computer, Information, and Network Security. (3.0) Topics include encryption, decryption, protocols, viruses, network security, authentication, legal and ethical issues, and security in operating systems, databases, e-commerce, Internet, wireless. Algorithms, protocols, applications such as RSA, DES, SSL, Firewalls, Digital Signatures, and VPNs, and emerging topics will be explored. Prerequisite: CS 121.

CS 555. Data Mining. (3.0) Topics include data preprocessing, clustering analysis, data classification, mining association rules, data mining and database, complex data mining, Web mining, new application in data mining such as intrusion detection and bio-informatics. Prerequisite: CS 324. Not open to students who have credit in CS 455.

CS 556. Image Processing. (3.0) Project based, dealing with basic principles of digital image processing and computer vision. Topics: digital image formats, geometric operations

on digital images, filtering, histogramming, binarization of grayscale images, labeling binary images, perimeter and area determination, thinning operations, object recognition using global features, edge detection processes, and other topics as time permits. Prerequisite: CS 324.

CS 557. Applied Cryptography. (3.0) Introduction of basic principles and application of cryptography. Topics include encryption, decryption, private and public key systems, and their mathematical foundation: divisibility and Euclidean algorithms, arithmetic of congruences, and large prime numbers. Projects are implementations of related algorithms. LISP and JAVA are recommended languages. Prerequisite: CS 324.

CS 576. Operating Systems. (3.0) Investigate the functions and structure of computer operating systems, processors, and memory. Topics include process control, concurrency, scheduling, security, and file systems. Introduces topics in systems programming, including I/O programming, signals, and IPC. Prerequisite: CS 230, 324. Not open to students who have credit in CS 376.

CS 614 (514). Web Programming. (3.0) Technical foundations for rich, interactive Web sites and current topics in Web programming. Client and server side web programming to enable Web 2.0 applications. Open only to non computer science graduate students.

CS 616 (516). Digital Animation. (3.0) Introduces tools and skills needed to create digital animations. Students work with different development environments, techniques, interface designs, and audio/visual sequences. Open only to non computer science graduate students.

CS 636. Advanced Database Systems. (3.0) Topics include knowledge representation and ontology concepts, object database concepts, database security and authorization, distributed databases, client-server architectures, Internet databases, and emerging database technologies and applications. Programming of both database techniques and application servers is based on current technologies such as ORACLE. Prerequisite: CS 536.

CS 638. Advanced Topics in Computer Graphics. (3.0) Topics will be chosen from current research areas in computer graphics and from advanced topics in classical computer graphics. Possible topics include fractals, ray tracing, animation techniques, and geometric modeling. Prerequisite: CS 538.

CS 639. Seminar in Computer Science. (3.0) Readings and conferences assigned in some particular problem or group of problems in computer science. Prerequisite: CS 324, 335.

CS 642. Simulation Techniques. (3.0) An introduction to the principles and applications of simulation. Use of

higher-level languages and simulation languages as applied to system studies. Use of examples from different subjects to carry out simulation. Prerequisite: CS 121; MATHS 221.

CS 675. Model Checking. (3.0) Overview of formal verification techniques in software engineering; system modeling with automata; temporal logics; algorithms and techniques of model checking; study and use of model checkers such as SPIN; applications of model checking to critical systems in industry. Prerequisite: CS 324, 335.

CS 678. Compiler Construction. (3.0) Review of context-free grammars and basic parsing concept, compiler organization, and construction of components for a compiler. Prerequisite: CS 570.

CS 689. Research Methods. (3.0) Discussions on research areas in computer science, scientific methods of research, and dissemination of research. Requirements include presentations and written reports that demonstrate proficiency in presentation tools and techniques, statistical and experimental design techniques, and library and literature searches. Prerequisite: 6 hours of CS graduate courses.

CS 690 (697). Software Engineering. (3.0) Software engineering principles and concepts. The software life cycle, structured specifications, design tools and techniques, software reliability, and verifying program correctness. Prerequisite: CS 324 and 3 computer science graduate courses or permission of instructor. Not open to students who have credit in CS 495.

CS 699. Reading and Honors. (3.0) Special advanced work not offered in other courses. Requirements include a final written report and a presentation in the departmental colloquium series. Prerequisite: CS 324, 335; permission of the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term. A total of 12 hours of combined CS 539, 639, and 699 credit may be earned.

DEPARTMENT OF ENGLISH

Revised:

TEACHING MAJOR IN ENGLISH/LANGUAGE ARTS, 48 hours

PREFIX	NO	SHORT TITLE	CR HRS

Core requirements, 36 hours

ENG	205	Wrld Litertr	3
	213	Intr Dig Lit	3
	220	Lang Society	3
	230	Read Wr Lit	3
	260	Brit Lit 1 (3)	
	or		
	464	Shakespeare (3)	3
	321	Linguistics	3
	412	Read Prnt Mt	3
	414	Yng Adlt Lit	3
	444	Sr Seminar	3

One class in American Literature   3
Choose from:
Group A: Before 1900: ENG 240, 345, 346
          or
Group B: 1900-present: ENG 250, 347, 351

COMM	220	Argmt Debate	3
	240	Human Comm (3)	
	or		
	290	Intercul Com (3)	3

                                                                    ___
                                                                 36 hrs

Complete one of the following options
English option, 12 hours

ENG	285	Intr Cr Wr	3

One class in American Literature
Choose from Group A if you took Group B in the core or choose from Group B if you took Group A in the core.   3

One class in British Literature
Choose from: ENG 280, 362, 363, 364, 365, 366, 367, 464   3

3 hours from
Diverse literature electives 400 and above
Choose from ENG 490, 491, 492, 493, 494, 498   3
                                                                    ___
                                                                 48 hrs

Communication studies option, 12 hours

COMM	240	Human Comm (3)	
	or		
	290	Intercul Com (3)	3

Choose COMM 240 if you took COMM 290 in the core or choose COMM 290 if you took COMM 240 in the core.

COMM	375	Presen Comm	3
	475	Sec Sch Frns	3
	250	Artic Analys (3)	
	or		
	320	Persuasion (3)	
	or		
	330	Grp Dec Mkg (3)	
	or		

| 370 | Nonverb Comm (3) | 3 |

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48 hrs
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DEPARTMENT OF HISTORY

HISTORY (HIST)

Revised:

HIST 586. Russian Civilization Before 1917: From Kievan Rus to Imperial Russia. (3.0) Surveys the political, social, and cultural history of Russian civilization from its origins in the ninth century under the first political organization of the East Slavic tribes, known as Kievan Rus, to the collapse of the Russian Empire in March 1917.

HIST 587. Soviet and Post-Soviet History. (3.0) Surveys the political, social, and cultural history of the Soviet Union within the broader context of events before and after the breakup of the USSR to the present.

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT

EMERGENCY MANAGEMENT AND HOMELAND SECURITY (EMHS)

Correction:

Reinstate the following course:
EMHS 469. Professional Practice. (1.0 TO 6.0) Supervised experience in emergency planning and management, science of hazards, and/or cyber security. Connects academic with professional experiences. Prerequisite: EMHS 351, 352; permission of the department chairperson. A total of 6 hours of credit may be earned. Open only to juniors and seniors.

DEPARTMENT OF PHYSIOLOGY AND HEALTH SCIENCE

ALLIED HEALTH SCIENCE (AHSC)

Dropped:

AHSC 240. Clinic 1 Nuclear Medicine Technology. 3.0)

AHSC 241. Clinic 2 Nuclear Medicine Technology. (3.0)

AHSC 242. Clinic 3 Nuclear Medicine Technology. (3.0)

AHSC 243. Clinic 4 Nuclear Medicine Technology. (3.0)

AHSC 245. Clinical Theory and Administration. (5.0)

AHSC 247. Introduction to Radioactivity. (3.0)

AHSC 248. Radiopharmaceuticals. (3.0)

AHSC 249. Radiation Biology and Safety. (2.0)

AHSC 251. Nuclear Medicine Instrumentation. (4.0)

AHSC 252. Nuclear Medicine Instrumentation Lab. (2.0)

AHSC 254. Directed Research in Nuclear Medicine. (3.0)

HEALTH SCIENCE (HSC)

Dropped:

HSC 499. Senior Seminar in Health Science. (1.0)

PHYSIOLOGY (PHYSL)

Revised:

PHYSL 413. Renal Physiology. (3.0) A detailed study of the urinary system and excretory functions. Emphasizes human physiology but also includes comparative vertebrate systems. Laboratory study includes gross, microscopic anatomy, and small mammal surgery. One three-hour laboratory a week. Prerequisite: one course each in chemistry, anatomy, and physiology or permission of the instructor.

PHYSL 415. Physiology of Aging. (3.0) Study of how physiological systems change with age and the mechanisms that are thought to cause these changes. Disorders and diseases of aging will also be covered. Prerequisite: one course each in chemistry and physiology or permission of the instructor.

PHYSL 513. Renal Physiology. (3.0) Detailed study of the urinary system and excretory functions. Emphasizes human physiology but includes comparative vertebrate systems. Laboratory study includes gross, microscopic anatomy, and small mammal surgery. One three-hour laboratory a week. Prerequisite: one course each in chemistry, anatomy, and physiology or permission of the instructor.

PHYSL 515. Physiology of Aging. (3.0) Study of how physiological systems change with age and the

mechanisms that are thought to cause these changes. Disorders and diseases of aging will be covered. Prerequisite: one course each in chemistry and physiology or permission of the instructor.

Teachers College

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

EDUCATIONAL PSYCHOLOGY (EDPSY)

Revised:

EDPSY 645. Introduction to Nonparametric Statistics. (3.0) Focus on statistical methods appropriate for data in which standard assumptions such as normality and equality of variance are not met. Covers approaches for problems from one sample estimates of location to nonparametric multivariate techniques such as factor analysis. Students will learn about methods based on ranks, permutation tests, and the bootstrap. Prerequisite: EDPSY 641.

EDPSY 740. Categorical Data Analysis. (3.0) A survey of statistical methods specifically designed for categorical variables, including chi-square, log-linear models, logistic regression, regression for count variables, and survival analysis. Prerequisite: EDPSY 641.

EDPSY 785. Multilevel Statistical Modeling. (3.0) Students will learn the most recent statistical models for multilevel data. Methods are appropriate for datasets in which individuals are sampled in clusters, where the assumption of independence is likely to be violated. Surveys multilevel techniques appropriate for ANOVA, regression, categorical, and multivariate data. Prerequisite: EDPSY 641, 741.

DEPARTMENT OF EDUCATIONAL STUDIES

New:

The Certificate in Computer Education will develop technical knowledge, skills, and dispositions for educators to teach computer education courses and to become teacher-leaders with technology in the instructional contexts where they teach. The certificate program would be a 15 credit hour graduate program available online.

GRADUATE CERTIFICATE IN COMPUTER EDUCATION

PREFIX	NO	SHORT TITLE	CR HRS
15 hours from			
EDTEC	550	Curric Tech (3)	
	655	Inquiry Simu (3)	
	660	Instr Design (3)	
	665	Digital Lit (3)	
	670	Tech Pol Ped (3)	
	675	Distance Ed (3)	
	685	Ed Info Lead (3)	15
			____
			15 hrs

DEPARTMENT OF ELEMENTARY EDUCATION

Revised:

TEACHING MAJOR IN ELEMENTARY EDUCATION (Grades K-6), 126 hours

Language Arts, 15 hours
Exploration in depth of the theory and content of the study of literature, writing, and language. Courses selected for this concentration are particularly related to content, issues, and concerns of the elementary classroom.

ENG	285	Intr Cr Wr	3
	401	Con Seminar	3

Choose one of the following writing courses
ENG	213	Intr Dig Lit (3)	
	or		
	304	Tch Writ El (3)	3

Choose one of the following literature courses
ENG	302	El L A Multi (3)	
	or		
	318	Lt Yng Chld (3)	
	or		
	414	Yng Adlt Lit (3)	3

Choose one of the following language courses
ENG	220	Lang Society (3)	
	or		
	321	Linguistics (3)	3
			____
			15 hrs

DEPARTMENT OF SPECIAL EDUCATION

Revised:

DOCTOR OF EDUCATION IN SPECIAL EDUCATION

PREFIX	NO	SHORT TITLE	CR HRS
SPCED	701	Pol Is Sped	3
	702	Ln Beh & Dev	3
	706	Sem Int Inv (3)	
	or		
	707	Sem Mild Inv (3)	
	or		
	709	Beh Excp Per (3)	3
	764	Seminar (3-6)	3
DISS	799	Drs Dissert (1-24)	10
EDPSY	641	Statist Meth	3
	642	Interim Stat	3
ID	705	Resrch Collq (1-3)	2

Cognate area (one area for 24 hours or two areas for 15 hours each) 24-30

Special education Strand courses 9

(Previous graduate work in special education may total 27 hours maximum.) Another SPCED 700-level seminar may be substituted for SPCED 764. A minimum of 40 hours must be in the major area; a minimum of 90 total hours required. SPCED 636 Research in Special Education or graduate level introduction statistics class is a prerequisite for admission to do doctoral work in special education.

Policy and Administration

The Policy and Administration strand focuses on candidates interested in policy areas related to disability public policy and laws and those interested in the administration and management of program services in special education. Candidates are immersed in laws and policies that shape disability services and organizational behavior theories and principles that are applied to the administration of service delivery systems geared toward programs for persons with disabilities. Many candidates choose to complete a cognate in the area of educational leadership and work to add the director of exceptional needs to their current IDOE professional education license.

Required courses

SPCED	637	Or Adm Sp Ed	3
	639	Sped Org Ad	3

Directed elective requirements

SPCED	706	Sem Int Inv (3)	
	or		
	707	Sem Mild Inv (3)	
	or		
	709	Beh Excp Per (3)	3

SPCED 709 is the preferred seminar course.

3 hours from one of the following areas
Policy

SPCED	677	Prnt Exp Chl (3)	
	or		
	687	Assmt Mild	3

Administration

SPCED	624	Voc Prep (3)	
	or		
	636	Res Spec Ed (3)	
	or		
	694	Internship (3-9)	3

Applied Behavior Analysis (ABA) and Autism

The ABA and Autism strand focuses on principles and theories related to applied behavior analysis and their applications with persons with autism. Principles of behavior, behavior consultation techniques, and treatment/intervention strategies are core concepts and skills explored. Candidates have the opportunity to earn certifications in ABA and Autism from Ball State University as well as working toward becoming National Board Certified in ABA as program options.

Required courses

SPCED	609	Intro A B A	3
	610	Beh Consult	3

Directed elective requirements

SPCED	706	Sem Int Inv (3)	
	or		
	707	Sem Mild Inv (3)	
	or		
	709	Beh Excp Per (3)	3

SPCED 709 is the preferred seminar course.

3 hours from one of the following areas
ABA

SPCED	611	Adv A B A (3)	
	or		
	660	Seminar (3)	3

Autism

SPCED	680	Intro Autism (3)	
	or		
	682	Treat Autism (3)	3

Low Incidence: Teaching and Learning

The Low Incidence strand focuses on specific strategies and instructional approaches that are evidence-based related to teaching and learning for persons with low incidence disabilities. Principles of behavior, communication (including alternative and augmentative systems), accommodations, and treatment/intervention strategies used with individuals with severe and moderate disabilities are key concepts and skills presented. Candidates have the opportunity to expand their teaching repertoire as they work with students with low incidence

in special education settings. Teacher education preparation is also a focus on the program.

Required courses

SPCED	577	Int In Intrv	3
	578	Meth Intense	3

Directed elective requirements

SPCED	706	Sem Int Inv (3)	
	or		
	709	Beh Excp Per (3)	3

SPCED 706 is the preferred seminar course.

3 hours from one of the following areas

Severe

SPCED	609	Intro A B A (3)	
	or		
	631	Comp Sp Nds (3)	3

Autism

SPCED	680	Intro Autism (3)	
	or		
	682	Treat Autism (3)	3

High Incidence: Teaching and Learning

The High Incidence strand focuses on specific strategies and instructional approaches that are evidence-based related to teaching and learning for persons with high incidence disabilities. Principles of assessment, instructional methods, accommodations, and intervention strategies used with individuals with mild disabilities are key concepts and skills presented. Candidates have the opportunity to expand their teaching repertoire as they work with students with high incidence in special education settings. Teacher education preparation is also a focus on the program.

Required courses

SPCED	686	Intro Mild	3
	687	Assmt Mild	3

Directed elective requirements

SPCED	603	Collab Spc Ed (3)	
	or		
	631	Comp Sp Nds (3)	
	or		
	688	Meth Mild In (3)	
	or		
	707	Sem Mild Inv (3)	
	or		
	709	Beh Excp Per (3)	3

SPCED 707 is the preferred seminar course.

Special Education General

The Special Education General strand remains the same as our current Doctor of Education in Special Education offering.

Required courses

SPCED	600	Except Child	3
	636	Res Spec Ed	3

Directed elective requirements

SPCED	706	Sem Int Inv (3)	
	or		
	707	Sem Mild Inv (3)	
	or		
	709	Beh Excp Per (3)	3

SPCED 707 is the preferred seminar course.
SPCED 500-600 level (3). Open SPCED program elective.

Ron Murphy, Associate Director
Office of Academic Systems