

BALL STATE UNIVERSITY

ACADEMIC POSTING

2011-2012

VOLUME XLIII – 6

February 24, 2012

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins February 27, 2012. 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 April 4, 2011 is Fall Semester 2012. Graduate materials posted after April 4, 2011 have an implementation date of Fall Semester 2012.*

College of Applied Sciences and Technology

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Revised:

MASTER OF SCIENCE IN NUTRITION AND DIETETICS

Admission requirements

Applicants must meet the admission requirements of the Graduate School. All applicants must submit a letter of intent, a resume, and two letters of recommendation.

Dietetic Internship

The dietetic internship at Ball State University is a 32-week, full-time program that begins in January and May of each year. Students accepted into the internship program at Ball State University will have the opportunity to complete the requirements of the dietetic internship and at least 18 hours toward the completion of a master's degree. The dietetic internship is currently granted accreditation by the Commission on Accreditation for Dietetics Education, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-0040.

Additional admission criteria

- Applicant must have a 3.0 GPA, a 3.0 DPD GPA, or a 3.25 GPA in the second half of the baccalaureate program.

- Those applying for the MS in nutrition and dietetics must provide an original, signed American Dietetic Association Verification of Completion Statement from the Didactic Program in Dietetics director or Declaration of Intent to complete a didactic program in dietetics. Courses for verification must be completed before the MS in nutrition and dietetics is granted.
- Application to the program for a fall enrollment date must be completed by February 15; application to the program for a spring enrollment date must be completed by September 15.

PREFIX	NO	SHORT TITLE	CR	HRS
<i>Research component, 12 hours</i>				
BIO	548	Biometry (3)		
		or		
EDPS	641	Statistical Methods (3)		
		or		
	642	Intermediate Statistics (3)		
		or		
HSC	687	Stat Theory & Meth in Hlth Sci (3)		3
FCS	697	Research Methods in FCS		3
THES	698	Thesis (1-6)		6
				12 hrs
<i>Nutrition core, 15 hours from</i>				
FCFN	642	Nutrition Assessment		3
	647	Carbs, Proteins, and Lipids		3
	648	Vitamins and Minerals		3
	6 hour from 600-level FSFN courses			6
				15 hrs
9 hours from				
Electives inside or outside the Department of Family and Consumer Sciences (may include dietetic internship FCFN 680, 681, 682).				
				9
				36 hrs

FAMILY AND CONSUMER SCIENCES: FASHION APPAREL (FCFA)

Revised:

415 (FCFA 388) Apparel Manufacturing and Wholesaling

(3) Study of garment manufacturing and the decision-making process involved in producing, marketing, and merchandising apparel and other fashion-related products.

Prerequisite: MKG 300; Fashion Merchandising FCFA 202.

480 Studio Design 2: Senior Line (3) Students will take on the role of a fashion designer through the conceptualization of ideas, to design components, to production, to fashion presentation of their original line. Students will have the opportunity to develop their personal and professional design philosophy.

SCHOOL OF PHYSICAL EDUCATION, SPORT, AND EXERCISE SCIENCE

Dropped:

MASTER OF ARTS OR MASTER OF SCIENCE IN PHYSICAL EDUCATION AND SPORT

Drop the following option: Teacher Education

Revised:

MASTER OF ARTS OR MASTER OF SCIENCE IN PHYSICAL EDUCATION AND SPORT

Admission requirements

Applicants must meet the admission requirements of the Graduate School and complete an application from the Department of Sport and Physical Education. Applicants must also have a bachelor’s degree from accredited institutions in education, physical education, biology, or other appropriate majors; grade-point average (GPA) of at least 2.75 on a scale of 4.0; and submit a statement of purpose, three letters of recommendation, resume, and other supporting documents. A student with a GPA of less than 2.75 on a 4.0 scale must take the Graduate Record Examination (GRE) general test. Students with satisfactory scores on the GRE will be considered for admission under probationary status to the program. Any deficiencies must be made up through course work taken in addition to degree requirements.

Degree requirements

All students must complete a minimum of 33 hours of graduate courses. In order to earn a master of science degree these courses must include 6 hours of a thesis project (THES 698). In order to earn a master of arts degree these courses must include 3 hours of a research project (RES 697) except students in sport administration (higher education and public school) and sport management have an additional option which includes 9 hours of internship (SPTA 698). Students electing

RES 697 or THES 698 must make a final oral defense.

Sport and Exercise Psychology, 33 hours

Core requirements

AT	577	Psych of Injury Rehabilitation	3
PEP	609	Sport Psychology	3
	644	Psych-Social Processes Sport	3
	660	Psych Exercise and Health	3
	690	Sport Sociology	3

Research requirements

Master of Arts, research paper/creative project

EDPS	641	Statistical Methods (3)	
PEP	601	Research App Non-Thesis (3)	
RES	697	Research Paper (1-3)	
		or	
CRPR	698	Creative Project (3 or 6)	9-12

Directed electives

ACE	610	Psychology of Coaching (3)	
ANTH	559	Ethnographic Methods (3)	
CPSY	621	Theories/Techniques Couns (3)	
EDPS	603	Human Development (3)	
	640	Research Methods (3)	
	642	Intermediate Statistics (3)	
	646	Tests and Measurements (3)	
	742	Multivariate Statistics (3)	
EXSC	603	Exercise Physiology 1 (3)	
PEP	608	Motor Learning (3)	
	611	Practicum Sport Exercise Psych (3)	
	612	Motor Development (3)	
PSYS	613	Developmental Psychology (3)	
	615	Learning and Motivation (3)	
	616	Perception and Cognition (3)	
	623	Theories of Personality (3)	
	632	Abnormal Psychology (3)	6-9

33 hrs

Master of Science, thesis

EDPS	641	Statistical Methods (3)	
EXSC	611	Research Methods (Thesis) (3)	
THES	698	Thesis (1-6)	12

Directed electives

ACE	610	Psychology of Coaching (3)	
ANTH	559	Ethnographic Methods (3)	
CPSY	621	Theories/Techniques Couns (3)	
EDPS	603	Human Development (3)	
	640	Research Methods (3)	
	642	Intermediate Statistics (3)	
	646	Tests and Measurements (3)	
	742	Multivariate Statistics (3)	
EXSC	603	Exercise Physiology 1 (3)	
PEP	608	Motor Learning (3)	
	611	Practicum Sport Exercise Psych (3)	
	612	Motor Development (3)	
PSYS	613	Developmental Psychology (3)	
	615	Learning and Motivation (3)	
	616	Perception and Cognition (3)	
	623	Theories of Personality (3)	

632 Abnormal Psychology (3) 6

33 hrs

Sport Administration, 36 hours

Core requirements

SPTA 611 Sport Marketing and Promotions 3
615 Sport Law 3
617 Financial Principles in Sport 3
676 Sport Administration 3

Research requirements

Master of Arts

Choose one

Master of Arts, internship

PEP 601 Research App Non-Thesis 3
SPTA 698 Internship in Sport Admin 9

Master of Arts, research paper/creative project

EDPS 641 Statistical Methods (3)
PEP 601 Research App Non-Thesis (3)
RES 697 Research Paper (1-3)
or
CRPR 698 Creative Project (3 or 6) 9-12

Master of Science, thesis

EDPS 641 Statistical Methods (3)
EXSC 611 Research Methods (Thesis) (3)
THES 698 Thesis (1-6) 12

Directed electives

ACC 501 Financial Accounting (3)
ECON 509 Survey of Economics (3)
EDAD 600 Intro to Ed Leadership (3)
630 Human Resource Development (3)
640 Edu Admin & Public Rltns (3)
686 School Law (3)
687 Legal Aspects of Education (3)
688 Schl Bldings, Grnds, & Equip (3)
698 Sem/Theory of Ed Admin (3)
EDFO 631 Philosophy of Education (3)
MGT 500 Managing Org Behavior (3)
MKG 505 Survey of Marketing (3)
PEP 609 Sport Psychology (3)
630 Evaluation in PE (3)
644 Psych-Social Processes Sport (3)
685 Curriculum Development in PE (3)
690 Sport Sociology (3)
696 Advanced Techniques in AT (3)
PR 660 P R Theories and Applications (3)
664 P R Evaluation Techniques (3)
SPTA 603 Sport Ethics and Philosophy (3)
605 Administration of Recreation (3)
619 Sport Facilities and Events (3)
628 International Sport (3)
677 Intercollegiate Athletics (3)
691 Sports on Film (3)
695 Personnel in Sport (3) 12-15

36 hrs

Athletic Coaching Education, 33 hours

Core requirements

ACE 604 Physical Preparation 3
612 Growth and Development 3
618 Skills and Tactics for Coaches 3
625 Evaluation in Coaching 3
632 Philosophy and Ethics 3
670 Sport Safety 3
675 Teach and Motivation Coaches 3
692 Administration for Coaches 3

Research requirements

Master of Arts

Choose one

Master of Arts, internship

ACE 688 Current Issues Coach Research (3)
PEP 600 Internship in Sport and PE (1-6)
601 Research App Non-Thesis (3) 9

Master of Arts, research paper/creative project

PEP 600 Internship in Sport and PE (1-6)
601 Research App Non-Thesis (3)
RES 697 Research Paper (1-3)
or
CRPR 698 Creative Project (3 or 6) 9

Master of Science, thesis

EXSC 611 Research Methods (Thesis) (3)
THES 698 Thesis (1-6) 9

33 hrs

DEPARTMENT OF TECHNOLOGY

New:

MINOR IN OCCUPATIONAL SAFETY AND HEALTH COMPLIANCE, 18 hours

PREFIX NO SHORT TITLE CR HRS

Required courses, 15 hours from

EMHS 350 Haz Mat Health and Safety (3)
TDPT 101 Fund S & H Technology (3)
201 S & H Reg Compliance (3)
301 Develop/Manage S & H Programs (3)
TCST 365 Construction Safety (3)
or
TDPT 360 Industrial Safety and Health (3) 15

Electives, 3 hours from

AQUA 260 First Responder (3)
301 Instructor of CPR & First Aid (3)
HSC 250 Emergency Health Care (3)
NREM 346 Indoor Environmental Quality (3)
347 Occupational/Indust Hygiene (3)
PEP 250 First Aid (2)
TDPT 380 Internship in Technology (3)

WWIN	201	Improving Worker Wellbeing (3)	3
			<hr/> 18 hrs

Revised:

TEACHING MAJOR IN TECHNOLOGY EDUCATION, 45 hours

The technology teacher education curriculum prepares students to teach technology education at the secondary level (grades 6-12).

PREFIX	NO	SHORT TITLE	CR HRS
TCST	250	Construction Methods Matls 1	3
TDPT	100	Technology and Society	3
	204	Energy Processing	3
	210	Engineering Principles	3
	303	Manufacturing Systems	3
	406	Technical Decision Making	3
TEDU	108	Production Techniques	3
	304	Transportation Systems	3
	305	Communication Systems	3
	403	Technological Enterprise	3
	410	Capstone Technology Education	3
MATH	111	Precalculus Algebra	3

3 hours from design competency

TCST	106	CAD for Const Management (3)	
TEDU	102	Product Design (3)	
TMFG	105	Technical Design Graphics (3)	3

3 hours from information processing

CS	110	Intro to Computer Science (3)	
TCMP	111	Computer Assembly Trblshooting (3)	
TGRA	180	Introduction to Graphic Arts (3)	3

3 hours from engineered resources

TDPT	203	Material Processing (3)	
TMFG	262	Manufacturing Materials (3)	3
			<hr/> 45 hrs

CHEM 111 is prerequisite to TMFG 262. PHYC 100 is prerequisite to TDPT 210. Either CHEM 111 or PHYC 100 may satisfy the University Core Curriculum Tier 1 Domain-Natural Sciences.

SENIOR HIGH, JUNIOR HIGH/ MIDDLE SCHOOL EDUCATION PROGRAM

PREFIX	NO	SHORT TITLE	CR HRS
<i>Professional education sequence, 42 hours</i>			
EDFO	420	Soc, Hist, Phil Found of Ed	3
EDJH	385	Prin of Tchng in Mid Schl	3
EDMU	205	Intro to Multicul Ed	3
EDPS	251	Development Secondary	3
	390	Educational Psychology	3
EDRD	320	Content Area Reading	3

EDSE	380	Princ of Tchng in Sec School	3
TEDU	195	Exploring Technology Education	3
	395	Teaching Technology	3
	396	Prgrm Plnng Implemt	3
EDSE	460	Student Tchng: Sec Schl (6-7)	7
	465	Elective Student Teaching (3 or 5)	5
			<hr/> 42 hrs

See Professional Education Assessment/Decision Points, p. 494, for additional information. Students must complete TEDU 195, 395, and 396 prior to student teaching.

MINOR IN DESIGN TECHNOLOGY, 18 hours

PREFIX	NO	SHORT TITLE	CR HRS
TGRA	184	Comp Applications-Graphic Arts	3
	286	Digital Photography 1	3
	385	Commercial Printing	3
	387	Digital Photography 2	3
		6 hours from Approved electives	6
			<hr/> 18 hrs

College of Architecture and Planning

DEPARTMENT OF LANDSCAPE ARCHITECTURE

Revised:

MAJOR IN LANDSCAPE ARCHITECTURE (BLA), 113 hours

Admissions Standards

A minimum grade-point average of 2.75 in the College of Architecture and Planning first-year course is required of all undergraduate students applying to the BLA program (or declaring an LA major). For transfer students who do not enroll in CAP courses, a minimum grade-point average of 2.75 must be earned in all prior course equivalents to the CAP first year courses.

Retention Standards

If a student earns below a C- in any required studio or engineering course, the student must retake that course. The student may be dismissed from the program if, after the required course retake, a grade below C- is earned. Dismissal or retention of the student will be determined by the department chair in consultation with the current instructor of record and the department academic standard committee.

Miller College of Business

DEPARTMENT OF ACCOUNTING

ACCOUNTING (ACC)

Revised:

201 Principles of Accounting 1 (3) An introduction to accounting emphasizing the basic principles underlying the accounting cycle. Includes the preparation of reports to management and external users of financial statements.

Prerequisite: completed 18 credit hours.

College of Communication, Information, and Media

DEPARTMENT OF JOURNALISM

New:

CERTIFICATE IN JOURNALISTIC VISUAL PRESENTATION, 15 hours

PREFIX	NO	SHORT TITLE	CR HRS
NEWS	234	Multimedia: Graphics	3
JOUR	320	Media Art Dir Creative Process	2
	321	News Design	3
	323	Magazine Design	3
	345	Visual Reporting	3
	496	Creative Project: Graphics	1
			15 hrs

Revised:

MAJOR IN JOURNALISM, 56-68 hours

PREFIX	NO	SHORT TITLE	CR HRS
Core, 29 hours			
CCIM	210	Professional Development	1
JOUR	101	Media and American Society	3
	103	Introduction to Visual Comm	3
NEWS	105	Journ Storytelling: Intro	2
	108	Fndtns Great Storytellers	1
	109	Fndtns Ethic Legal Principles	1
	120	Newsgathering: Research	1
	121	Newsgathering: Interviewing	1
	122	Storytelling: Covering Events	1
	131	Multimedia: Stills	1
	132	Multimedia: Audio	1

133	Multimedia: Video	1
221	Storytelling: Covering Issues	3
240	Current Iss News Experience	1
397	Immersion: Special Topics	3
409	Fndtns Ethical Legal Issues	2
497	Immersion: Student Media	3

Graphics track, 39 hours

ECON	247	Econ & Stats for the Media	3
GEOG	150	Global Geography	3
	240	Map Reading and Graphics	3
	265	Intro Geographic Info Systems	3
TGRA	180	Introduction to Graphic Arts	3
JOUR	320	Media Art Dir Creative Process	2
	321	News Design	3
	323	Magazine Design	3
	345	Visual Reporting	3
NEWS	234	Multimedia: Graphics	3
	315	News Editing	2

2 hours from

JOUR	369	Paid Internship (0-3)	
	479	Unpaid Internship (0-3)	2

3 hours from

CCIM	280	Social Media (3)	
SOC	100	Principles of Sociology (3)	3

3 hours from

ANTH	111	Anth, Culture, & Globalization (3)	
	311	Ethnicity and Race (3)	
	342	American Culture (3)	
COMM	290	Intercultural Communication (3)	
PHIL	202	Ethics (3)	
	203	Social Philosophy (3)	
POLS	474	Women and Politics (3)	
	475	Minority Group Politics (3)	
SOC	235	Sociology of Women (3)	
	421	Racial & Cultural Minor US (3)	
	422	Social Trends in Con Societies (3)	3

68 hrs

Magazine track, 30 hours

ECON	247	Econ & Stats for the Media	3
HIST	202	US History, 1877 to Present	3
JOUR	280	Introductory Magazine Writing	3
	328	Magazine Management	2
	427	Advanced Magazine Writing	3
NEWS	233	Multimedia: Reporting	3
	270	Audience Analysis: Communities	1
	315	News Editing	2
	340	Current Issues Newsroom Ldrshp	1
	370	Audience Analysis: Operations	1

2 hours from

JOUR	369	Paid Internship (0-3)	
	479	Unpaid Internship (0-3)	2

3 hours from

CCIM	280	Social Media (3)	
SOC	100	Principles of Sociology (3)	3

3 hours from			
ANTH	111	Anth, Culture, & Globalization (3)	
	311	Ethnicity and Race (3)	
	342	American Culture (3)	
COMM	290	Intercultural Communication (3)	
PHIL	202	Ethics (3)	
	203	Social Philosophy (3)	
POLS	474	Women and Politics (3)	
	475	Minority Group Politics (3)	
SOC	235	Sociology of Women (3)	
	421	Racial & Cultural Minor US (3)	
	422	Social Trends in Con Societies (3)	3
			<hr/>
			59 hrs

Four semesters or equivalent of one modern or classical language at the college level are required.

News track, 30 hours

ECON	247	Econ & Stats for the Media	3
NEWS	233	Multimedia: Reporting	3
	270	Audience Analysis: Communities	1
	315	News Editing	2
	340	Current Issues Newsroom Ldrshp	1
	370	Audience Analysis: Operations	1

2 hours from			
JOUR	369	Paid Internship (0-3)	
	479	Unpaid Internship (0-3)	2

3 hours from			
POLS	130	American National Government (3)	
	237	State and Local Politics (3)	3

3 hours from			
CCIM	280	Social Media (3)	
SOC	100	Principles of Sociology (3)	3

2 hours from			
JOUR	311	News Feature Writing (2)	
TCOM	326	Long Form Reporting (2)	2

2 hours from			
JOUR	312	Opinion Writing (2)	
TCOM	324	News Videography (2)	2

2 hours from			
JOUR	322	Sportswriting and Reporting (2)	
NEWS	418	Specialty Reporting (2-6)	
TCOM	426	News Producing (2)	2

2 hours from			
JOUR	413	Advanced Newswriting Reporting (2)	
TCOM	422	Adv Video/Audio Reporting (2)	2

3 hours from			
ANTH	111	Anth, Culture, & Globalization (3)	
	311	Ethnicity and Race (3)	
	342	American Culture (3)	
COMM	290	Intercultural Communication (3)	
PHIL	202	Ethics (3)	
	203	Social Philosophy (3)	

POLS	474	Women and Politics (3)	
	475	Minority Group Politics (3)	
SOC	235	Sociology of Women (3)	
	421	Racial & Cultural Minor US (3)	
	422	Social Trends in Con Societies (3)	3
			<hr/>
			59 hrs

Four semesters or equivalent of one modern or classical language at the college level are required.

Photo track, 27 hours

HIST	202	US History, 1877 to Present	3
JOUR	332	Photoj Managing and Editing	2
	335	Assignment Photojournalism	3
	436	Photojournalism Lighting	3
	437	Long-form Photojournalism	2
NEWS	235	Multimedia: Photos	3
	340	Current Issues Newsroom Ldrshp	1
TCOM	324	News Videography	2

2 hours from			
JOUR	369	Paid Internship (0-3)	
	479	Unpaid Internship (0-3)	2

3 hours from			
CCIM	280	Social Media (3)	
SOC	100	Principles of Sociology (3)	3

3 hours from			
ANTH	111	Anth, Culture, & Globalization (3)	
	311	Ethnicity and Race (3)	
	342	American Culture (3)	
COMM	290	Intercultural Communication (3)	
PHIL	202	Ethics (3)	
	203	Social Philosophy (3)	
POLS	474	Women and Politics (3)	
	475	Minority Group Politics (3)	
SOC	235	Sociology of Women (3)	
	421	Racial & Cultural Minor US (3)	
	422	Social Trends in Con Societies (3)	3
			<hr/>
			56 hrs

POLS 475 requires POLS 130 as a prerequisite.

NEWS (NEWS)

Revised:

130 Multimedia: Design (1) Introduction to basic multimedia design principles, visual communication theory and practice, typography, color, layout presentation, and design history. Emphasis on relationship between design and storytelling.
Open only to students majoring in journalism or telecommunications.

131 Multimedia: Stills (1) Introduction to still photography and its relationship to the multimedia storytelling process. Includes acquisition, selection and editing of photographs; composition and lighting; history, ethics, and legal principles.
Open only to students majoring in journalism or telecommunications.

132 Multimedia: Audio (1) Introduction to the role of sound in the multimedia storytelling process. Includes acquisition, selection, and editing of sound; proper recording techniques; ethical and legal principles.

Open only to students majoring in journalism or telecommunications.

133 Multimedia: Video (1) Introduction to the role of moving pictures in the multimedia storytelling process. Includes acquisition, selection, and editing of video; proper recording techniques and professional standards; ethical and legal principles.

Open only to students majoring in journalism or telecommunications.

233 Multimedia: Reporting (3) Development of multimedia reporting skills with an emphasis on the continuous update format and packaging stories for various platforms. Production of integrated news or feature stories for varied media.

Prerequisite: JOUR 103; NEWS 131, 132, 133, 221; or NEWS 105, 229.

235 Multimedia: Photos (3) Photojournalism in a multimedia world including basic digital photography, portable lighting, news value, history, and industry standard ethical concepts.

DSLR camera, lens, and portable flash required for this course.

Prerequisite: JOUR 103; NEWS 120, 121, 122, 131, 132, 133.

DEPARTMENT OF TELECOMMUNICATIONS

Revised:

MASTER OF ARTS IN TELECOMMUNICATIONS

Admission requirements

Students may enter the MA in telecommunications program only during fall semester of each academic year. Applicants must meet the admission requirements of the Graduate School.

In addition, applicants must demonstrate proficiency in (1) written; (2) visual communication; and (3) relevant computer skills. Proficiency will be demonstrated via submission of a portfolio upon application to the program. At minimum, this portfolio should contain: (1) a cover letter that introduces and explains the contents of the portfolio; (2) an original 1,500-word academic, creative, and/or professional writing sample; (3) an original project that emphasizes skill in visual communication (e.g., Web page design, graphic design, publication design, broadcast design, theatrical design, architectural design); and (4) a list of computer applications with which the applicant is fluent (above basic e-mailing and word-processing applications). Applicants may include other items that are relevant to telecommunications such as technical experience.

PREFIX	NO	SHORT TITLE	CR HRS
TCOM	601	Digital Storytelling 1	3
	610	Creativity	3
	630	Story Design/Development	3
	660	Intercultural Immersion	3
	670	Special Projects (1-2)	2
	690	Directed Study (3-6)	3
		Research methods, 3 hours from	
COMM	602	Quant Research in Comm (3)	
	or		
	605	Qual Research in Comm (3)	
	or		
JOUR	680	Studies Journ Comm Resch Meth (3)	
	or		
TCOM	602	Digital Storytelling 2 (3)	3
		Research requirement, 6 hours from	
THES	698	Thesis (1-6)	
	or		
CRPR	698	Creative Project (3 or 6)	6
		Design requirement, 6 hours from	
ICS	667	Video-Based Learning Systems (3)	
JOUR	623	Visual Storytelling (3)	
TCOM	631	Digital Production (3)	6
		Production and applications, 6 hours from	
COMM	614	Contemp Rhet & Pub Issues (3)	
	650	Training in Organizations (3)	
	690	Seminar in Communication (3)	
ICS	620	Info and Comm Technologies (4)	
	642	Regulatory Research (3)	
	660	Human Factors (3)	
JOUR	612	Journalism Writing Seminar (3)	
	613	Seminar in Literary Journalism (3)	
	614	Writing Literary Journalism (3)	
	615	Investigative Reporting Writ (3)	
NEWS	585	Advanced News Seminar (3)	
TCOM	631	Digital Production (3)	
	632	Digital Production (3)	
	633	Digital Audio Production (3)	
	669	Professional Experience (1)	
	680	Current Topics Seminar (3-6)	
	690	Directed Study (3-6)	6

38 hrs

Other courses that meet the student needs may be substituted, assuming that the student meets the course prerequisites and is preapproved by the program coordinator. Courses from English, history, theatre, marketing, art, music technology, architecture, and the Teachers College may be particularly useful supplements to the study of telecommunications.

NEWS (NEWS)

Revised:

130 Multimedia: Design (1) Introduction to basic multimedia

design principles, visual communication theory and practice, typography, color, layout presentation, and design history. Emphasis on relationship between design and storytelling.
Open only to students majoring in journalism or telecommunications.

131 Multimedia: Stills (1) Introduction to still photography and its relationship to the multimedia storytelling process. Includes acquisition, selection and editing of photographs; composition and lighting; history, ethics, and legal principles.
Open only to students majoring in journalism or telecommunications.

132 Multimedia: Audio (1) Introduction to the role of sound in the multimedia storytelling process. Includes acquisition, selection, and editing of sound; proper recording techniques; ethical and legal principles.
Open only to students majoring in journalism or telecommunications.

133 Multimedia: Video (1) Introduction to the role of moving pictures in the multimedia storytelling process. Includes acquisition, selection, and editing of video; proper recording techniques and professional standards; ethical and legal principles.
Open only to students majoring in journalism or telecommunications.

233 Multimedia: Reporting (3) Development of multimedia reporting skills with an emphasis on the continuous update format and packaging stories for various platforms. Production of integrated news or feature stories for varied media.
Prerequisite: JOUR 103; NEWS 131, 132, 133, 221; or NEWS 105, 229.

235 Multimedia: Photos (3) Photojournalism in a multimedia world including basic digital photography, portable lighting, news value, history, and industry standard ethical concepts. DSLR camera, lens, and portable flash required for this course.
Prerequisite: JOUR 103; NEWS 120, 121, 122, 131, 132, 133.

PREFIX	NO	SHORT TITLE	CR HRS
Core requirements, 31 hours			
ADS	101	Foundations 1	3
	102	Foundations 2	3
AFA	101	Drawing 1	3
	202	Figure Drawing	3
	211	Painting 1	3
AHS	101	History of Art Survey 1	3
	102	History of Art Survey 2	3
ART	100	Art Orientation	1
	200	Introduction to Computer Art	3
6 hours from 200- and 300-level AHS courses			6
			<hr/>
			31 hrs
Complete one professional specialization:			
<i>Animation, 54 hours</i>			
ART	211	Traditional Animation	3
	212	Drawing for Animation	3
	231	Photography 1	3
	311	Animation 1	3
	312	Animation 2	3
	313	Animation 3	3
	315	Character Design	3
	316	Storyboarding	3
	411	Pre-Production	3
	414	Animation 4	3
	490	Senior Project Animation	3
3 hours from			
ACR	211	Ceramics 1 (3)	
	221	Introduction to Metals (3)	
	231	Introduction to Glass (3)	
AFA	221	Sculpture 1 (3)	3
6 hours from			
AFA	303	Intermediate Figure Drawing (3)	
	304	Experimental Figure Drawing (3)	
	312	Figure Painting (3)	
	315	Narrative Painting (3)	6
12 hours from art studio electives			12
			<hr/>
			85 hrs

College of Fine Arts

DEPARTMENT OF ART

Revised:

MAJOR IN ART, BFA, 85 hours

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

<i>Ceramics, 54 hours</i>			
ACR	211	Ceramics 1	3
	221	Introduction to Metals	3
	231	Introduction to Glass	3
	312	Ceramics: Throwing 1	3
	313	Ceramics: Hand Building 1	3
	314	Ceramics: Throwing 2	3
	315	Ceramics: Hand Building 2	3
	316	Glaze and Kiln Technology	3
	416	Ceramics: Throwing 3	3

	417	Ceramics: Hand Building 3	3
	418	Ceramics: Senior Project	3
AFA	221	Sculpture 1	3

Select two courses from two different areas

ACR	233	Kiln Sculpted Glass (3)	
	322	Metalsmithing and Dieforming (3)	
	323	Metals: Casting (3)	
	324	Metals: Color (3)	
	331	Glass: Special Topics (3)	
	332	Intermediate Glass Blowing (3)	
AFA	322	Sculpture 2 (3)	
	323	Sculpture Introduction Casting (3)	
	324	Sculpture: Wood (3)	6

12 hours from art studio electives	12	
	<hr/>	85 hrs

Drawing, 54 hours

AFA	217	Watercolor 1	3
	221	Sculpture 1	3
	231	Introduction to Printmaking	3
	341	Intaglio Printmaking 1	3
	351	Lithography 1	3
	405	Advanced Topics in Drawing	3
	406	Independent Directions Drawing	3
	487	Senior Project in Drawing	3
ART	231	Photography 1	3

9 hours from

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

3 hours from

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

3 hours from

ACR	211	Ceramics 1 (3)	
	221	Introduction to Metals (3)	
	231	Introduction to Glass (3)	3

12 hours from art studio electives	12	
	<hr/>	85 hrs

Glass, 54 hours

ACR	211	Ceramics 1	3
	221	Introduction to Metals	3
	231	Introduction to Glass	3
	233	Kiln Sculpted Glass	3
	331	Glass: Special Topics	3
	332	Intermediate Glass Blowing	3

	333	Intermedia Glass Casting	3
	334	Glass: Cold Working	3
	335	Glass: Advanced Studio	3
	436	Glass: Advanced Problems	3
	438	Senior Project in Glass	3
AFA	221	Sculpture 1	3

3 hours from

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

Select two courses from two different areas

ACR	312	Ceramics: Throwing 1 (3)	
	313	Ceramics: Hand Building 1 (3)	
	322	Metalsmithing and Dieforming (3)	
	323	Metals: Casting (3)	
	324	Metals: Color (3)	
AFA	322	Sculpture 2 (3)	
	323	Sculpture Introduction Casting (3)	
	324	Sculpture: Wood (3)	6

9 hours from art studio electives	9	
	<hr/>	85 hrs

Metals, 54 hours

ACR	211	Ceramics 1	3
	221	Introduction to Metals	3
	231	Introduction to Glass (3)	3
	322	Metalsmithing and Dieforming	3
	323	Metals: Casting	3
	324	Metals: Color	3
	425	Metals: Advanced Fabrication	3
	426	Metals: Adv Surface Techniques	3
	427	Metals: New Technologies	3
	428	Metals: Senior Project	3
AFA	221	Sculpture 1	3
	231	Introduction to Printmaking	3
ART	301	Advanced Computer Art	3

Select two courses from two different areas

ACR	233	Kiln Sculpted Glass (3)	
	312	Ceramics: Throwing 1 (3)	
	313	Ceramics: Hand Building 1 (3)	
	331	Glass: Special Topics (3)	
	332	Intermediate Glass Blowing (3)	
AFA	322	Sculpture 2 (3)	
	323	Sculpture Introduction Casting (3)	
	324	Sculpture: Wood (3)	6

9 hours from art studio electives	9	
	<hr/>	85 hrs

Painting, 54 hours

AFA	217	Watercolor 1	3
	221	Sculpture 1	3
	231	Introduction to Printmaking	3
	313	Painting: Concepts & Context	3
	314	Painting: Materials Strategies	3

	416	Painting: Adv Studio Practice	3
	417	Independent Direct in Painting	3
	489	Senior Project in Painting	3
ART	231	Photography 1	3
3 hours from			
AFA	312	Figure Painting (3)	
	315	Narrative Painting (3)	3
3 hours from			
AFA	316	Special Topics in Painting (3)	
	317	Encaustics (3)	3
3 hours from			
AFA	301	Drawing: Point of View (3)	
	302	Drawing: Narrative Metaphor (3)	
	303	Intermediate Figure Drawing (3)	
	304	Experimental Figure Drawing (3)	3
3 hours from			
AFA	341	Intaglio Printmaking 1 (3)	
	351	Lithography 1 (3)	
	361	Relief Printmaking 1 (3)	
	371	Serigraphy 1 (3)	3
3 hours from			
ACR	211	Ceramics 1 (3)	
	221	Introduction to Metals (3)	
	231	Introduction to Glass (3)	3
12 hours from art studio electives			12
			<hr/>
			85 hrs

<i>Option 2: Intermedia arts</i>			
AFA	322	Sculpture 2 (3)	
ART	323	Special Topic Intermedia Art (3)	
	424	Directions in Intermedia Art (3)	9
<hr/>			
85 hrs			
<i>Printmaking, 54 hours</i>			
AFA	217	Watercolor 1	3
	221	Sculpture 1	3
	231	Introduction to Printmaking	3
	341	Intaglio Printmaking 1	3
	342	Intaglio Printmaking 2	3
	351	Lithography 1	3
	352	Lithography 2	3
	361	Relief Printmaking 1	3
	371	Serigraphy 1	3
	443	Intaglio Printmaking 3	3
	453	Lithography 3	3
	493	Senior Project in Printmaking	3
3 hours from			
AFA	301	Drawing: Point of View (3)	
	302	Drawing: Narrative Metaphor (3)	
	303	Intermediate Figure Drawing (3)	
	304	Experimental Figure Drawing (3)	3
3 hours from			
ACR	211	Ceramics 1 (3)	
	221	Introduction to Metals (3)	
	231	Introduction to Glass (3)	3
12 hours from art studio electives			12
			<hr/>
			12

<i>Photography and intermedia arts, 54 hours</i>			
ART	231	Photography 1	3
	232	Photography 2	3
	233	Digital Imaging	3
	321	Video and Intermedia Art 1	3
	322	Intermedia Art 2	3
	330	Color Photography	3
	332	Photography 4: Special Topics	3
	480	Senior Proj Photo Intermedia	3
AFA	221	Sculpture 1	3
	231	Introduction to Printmaking	3
3 hours from			
ART	233	Digital Imaging (3)	
	301	Advanced Computer Art (3)	3
12 hours from art studio electives			12
Complete one option, 9 hours			
<i>Option 1: Photography</i>			
ART	331	Studio Photography (3)	
	433	Directions in Photography (3)	
	434	Adv Directions in Photography (3)	9

<i>Sculpture, 54 hours</i>			
ACR	211	Ceramics 1	3
	221	Introduction to Metals	3
	231	Introduction to Glass	3
AFA	221	Sculpture 1	3
	231	Introduction to Printmaking	3
	322	Sculpture 2	3
	323	Sculpture Introduction Casting	3
	324	Sculpture: Wood	3
	325	Sculpture Cast and Mold Making	3
	426	Sculpture: Advanced Problems	3
	491	Senior Project in Sculpture	3
ART	231	Photography 1	3
3 hours from			
ART	301	Advanced Computer Art (3)	
	321	Video and Intermedia Art 1 (3)	3
Select two courses from two different areas			
ACR	233	Kiln Sculpted Glass (3)	
	312	Ceramics: Throwing 1 (3)	

313	Ceramics: Hand Building 1 (3)	
322	Metalsmithing and Dieforming (3)	
323	Metals: Casting (3)	
324	Metals: Color (3)	
331	Glass: Special Topics (3)	
332	Intermediate Glass Blowing (3)	6

9 hours from art studio electives	9
	<hr/>
	85 hrs

Visual communication, 54 hours

ADS	241	Intro to Visual Communication	3
	242	Type and Image	3
	341	Visual Communication 1	3
	342	Visual Communication 2	3
	441	Visual Communication 3	3
	442	Visual Communication 4	3
	443	Sp Topics Visual Communication	3
AFA	231	Introduction to Printmaking	3
AHS	310	History Visual Communication	3
ART	231	Photography 1	3

6 hours from

ADS	301	Visual Communication Tech 1 (3)	
	302	Visual Communication Tech 2 (3)	
ART	233	Digital Imaging (3)	
	301	Advanced Computer Art (3)	
	321	Video and Intermedia Art 1 (3)	6

3 hours from

ADS	471	Visual Communication Practicum (3)	
	480	Senior Design Thesis (3)	
ART	369	Department of Art Internship (3)	3

3 hours from

AFA	341	Intaglio Printmaking 1 (3)	
	351	Lithography 1 (3)	
	361	Relief Printmaking 1 (3)	
	371	Serigraphy 1 (3)	3

3 hours from

ACR	211	Ceramics 1 (3)	
	221	Introduction to Metals (3)	
	231	Introduction to Glass (3)	
AFA	221	Sculpture 1 (3)	3

9 hours from art studio electives	9
	<hr/>
	85 hrs

ART: CRAFTS (ACR)

Revised:

438 Senior Project in Glass (3) Synthesis and culmination of studio experiences in glass culminating in an exhibition of

work. Documentation of work, resume, and artist statement.
Prerequisite: ACR 436, 24 credit hours in glass; sponsorship by the glass faculty; permission of the department chairperson.
Open only to art majors.

ART (ART)

Revised:

332 Special Topics in Photography (3) Investigation of a particular topic, problem, or issues in photography (alternative processes, performance, installation, mural printing, etc.). Specific content will be announced before offering. A particular topic can only be taken once.

Prerequisite: ART 232 and 233.

A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.

Open only to art majors.

480 Senior Project in Photography and Intermedia Art (3)

Synthesis of undergraduate studio experiences in photography, video, and intermedia art culminating with a student exhibition.

Prerequisite: completion of 24 hours of credit in photography and intermedia art, sponsorship by an art faculty member; permission of the department chairperson.

Parallel: ART 434 for photography option.

Open only to art majors.

490 Senior Project in Animation (3) Synthesis and culmination of undergraduate studio experiences in animation with a student exhibition as the capstone experience.

Prerequisite: ART 411, 414; completion of 27 credit hours in animation, sponsorship by an art faculty member; permission of the department chairperson.

Open only to animation majors.

SCHOOL OF MUSIC

Revised:

MINOR IN MUSIC: JAZZ/COMMERCIAL, 24 hours

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
MUHI	200	Survey of Music Literature	2
	441	Jazz History	2
MUSE	465	Jazz Ensembles Techniques	2
MUSP	204	Jazz Study (1-99)	3
	250	Fundamentals of Jazz 1	2
	251	Fundamentals of Jazz 2	2
	456	Improv in the Jazz Idiom	2
	457	Improv in the Jazz Idiom 2	2
	460	Jazz Piano Class 1	1
	461	Jazz Piano Class 2	1
MUST	111	Music Theory	2
	112	Music Theory	2

1 hour from			
MUSC	340	Large Instrumental Ensemble (1)	
	341	Large Instrumental Ensemble (.5)	
MUSP	231	Small Ensemble (Jazz Combo) (1-2)	1
			<hr/>
			24 hrs

College of Sciences and Humanities

DEPARTMENT OF COMPUTER SCIENCE

Revised:

MASTER OF SCIENCE IN COMPUTER SCIENCE

Required mathematics background courses (unless the student has credit in equivalent courses). No graduate credit given, but a GPA of at least 3.0 is to be maintained.

PREFIX	NO	SHORT TITLE	CR HRS
MATH	161	Applied Calculus 1 (3)	
	162	Applied Calculus 2 (3)	
	217	Linear Algebra (4)	
	221	Probability and Statistics (3)	

Required computer science background courses (unless the student has credit in equivalent courses). No credit given toward the degree, but a grade of at least a *B* is to be earned in each course.

CS	120	Computer Science 1 (4)	
	121	Computer Science 2 (4)	
	124	Discrete Structures (3)	
	230	Computer Org and Arch (3)	
	324	Des/Analy of Algorithms (3)	
	335	Programming Languages (3)	
	570	Theory of Computation 1 (3)	3

Required courses

All students:

CS	689	Research Methods	3
	690	Software Engineering	3

Track 1:

CS	668	Graphs, Algo, and Apps	3
	670	Theory of Computation 2	3

Track 2:

CS	691	Soft Req and Design	3
	692	Soft Ver and Val	3

Approved elective graduate courses	18
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	30 hrs

DEPARTMENT OF ENGLISH

Revised:

MASTER OF ARTS IN ENGLISH (CREATIVE WRITING)

Admission requirements

Applicants must meet the admission requirements of the Graduate School, have an undergraduate grade-point average (GPA) of at least 3.0, and submit Graduate Record Examination (GRE) scores (required for native speakers of English) or Test of English as a Foreign Language (TOEFL) scores (required for nonnative speakers of English), a statement of purpose (750-1000 words), portfolio of 20 pages of creative writing, and three letters of recommendation.

Degree requirements

PREFIX	NO	SHORT TITLE	CR HRS
Core requirements			
ENG	610	Read & Writ Across Genres	3
	605	Teaching in English Studies (3)	
		or	
	614	Practicum in Literary Editing (3)	3
Complete 12 hours from			
ENG	611	Workshop Creative Nonfiction (3-9)	
		or	
	612	Workshop in Fiction Writing (3-9)	
		or	
	613	Workshop in Poetry Writing (3-9)	
		or	
	615	Workshop in Screenwriting (3-9)	12
Courses in literature			6
CRPR	698	Creative Project (3 or 6)	6
Approved electives			3
			<hr/>
			33 hrs
ENG 605 in Composition, Literature, or Creative Writing will fill this requirement.			

MASTER OF ARTS IN LINGUISTICS

Admission requirements

Applicants must meet the admission requirements of the Graduate School, have an undergraduate grade-point average (GPA) of at least 3.0, have the equivalent of at least two years of college-level study of foreign language (requirement can be met during MA program), and submit a statement of purpose (750 to 1000 words), Graduate Record Examination (GRE) scores (required for native speakers of English) or Test of English as a Foreign Language (TOEFL) scores (required for nonnative speakers of English), examples of their scholarly writing, and three letters of recommendation.

Degree requirements

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
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ENG 520 or the equivalent will be required but will not count towards required hours in the degree.

Major requirements

ENG	621	Meaning & Structure in Eng	3
	623	Phonetics & Phonology	3
	625	Phonology	3
	626	Morphology and Syntax	3
	627	Sociolinguistics	3

Directed electives (at least 12 hours from the following courses):

ENG	622	History of English Language (3)	
	628	Language and Culture (3)	
	629	Topics in Applied Linguistics (3)	
	630	Contrastive Analysis (3)	
	631	Historical Linguistics (3)	
	632	Discourse Analysis (3)	
	682	Topics in Eng Linguistics (3)	
	686	Topics in Linguistics (3)	12

Electives

(3 hours, an additional course from the directed electives or any of the following):

ENG	624	Found of Sec Lang Acquisition (3)	
	684	Topics in Sec Lang Acquisition (3)	
	693	Writing in the Profession (3)	3

Research requirement

ENG	601	Research in English Studies	3
		and	
RES	697	Research Paper (1-3)	
		or	
CRPR	698	Creative Project (3 or 6)	3

36 hrs

Depending on the nature of the student's research, the student may also be advised to take one or more courses in Experimental Design and Statistics in addition to other course work.

MASTER OF ARTS IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL) AND LINGUISTICS

Admission requirements

Applicants must meet the admission requirements of the Graduate School, have an undergraduate grade-point average (GPA) of at least 3.0, have the equivalent of at least two years of college-level study of foreign language (requirement can be met during MA program), and submit a statement of purpose (750 to 1000 words), Graduate Record Examination (GRE) scores (required for native speakers of English) or Test of English as a Foreign Language (TOEFL) scores (required for nonnative speakers of English), examples of their scholarly writing, and three letters of recommendation.

Degree requirements

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
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ENG 520 or the equivalent will be required but will not count towards required hours in the degree.

Major requirements

ENG	616	Intro to Theor of Lang Learn	3
	617	Methods for Teaching ELL	3
	618	Materials Dev for Teaching ELL	3
	621	Meaning & Structure in Eng	3
	623	Phonetics & Phonology	3
	624	Found of Sec Lang Acquisition	3
	625	Phonology	3
	626	Morphology and Syntax	3
	627	Sociolinguistics	3

Directed electives (at least 12 hours from the following courses):

ENG	605	Teaching in English Studies (3)	
	622	History of English Language (3)	
	628	Language and Culture (3)	
	629	Topics in Applied Linguistics (3)	
	630	Contrastive Analysis (3)	
	631	Historical Linguistics (3)	
	632	Discourse Analysis (3)	
	682	Topics in Eng Linguistics (3)	
	684	Topics in Sec Lang Acquisition (3)	
	686	Topics in Linguistics (3)	
	693	Writing in the Profession (3)	12

Research requirements

ENG	601	Research in English Studies	3
		and	
RES	697	Research Paper (1-3)	
		or	
CRPR	698	Creative Project (3 or 6)	3

45 hrs

Depending on the nature of the student's research, the student may also be advised to take one or more courses in Experimental Design and Statistics in addition to other course work.

DEPARTMENT OF MATHEMATICAL SCIENCES

Revised:

MASTER OF SCIENCE IN MATHEMATICS

The master of science degree in mathematics provides students with a broad graduate-level mathematical background suitable for community college teaching, for pursuing a PhD degree in the mathematical sciences, or for seeking employment in business, industry, or government. Students pursuing the master of science degree will be required to write a 6-hour thesis.

Admission requirements

Applicants must meet the regular admission requirements of the Graduate School and have an undergraduate major in mathematics or an equivalent background as determined by the Department of Mathematical Sciences.

Ron Murphy, Associate Director
Office of Academic Systems

Degree requirements

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
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Algebra, 6 hours from

MATH	511	Abstract Algebra 1	3
	512	Abstract Algebra 2	3

(If the undergraduate equivalent is not complete. Otherwise course substitutions in algebra will be made in conjunction with the program advisor.)

Analysis, 6-7 hours from

MATH	571	Real Analysis 1 (4)	
	572	Real Analysis 2 (3)	6-7

(If the undergraduate equivalent is not complete. Otherwise 3-credit hour course substitutions in analysis will be made in conjunction with the program advisor.)

MATH	645	Topology 1	3
	675	Theory Funct Real Variable 1	3
	677	Complex Variables 1	3

3 hours from

MATH	516	Theory of Numbers (3)	
	556	Intro Operations Research (3)	
	562	Numerical Analysis 1 (3)	
	563	Numerical Analysis 2 (3)	
	573	Boundary Value Problems (3)	
	575	Topics Partial Dif Equations (3)	
	625	Probability Theory Application (3)	
	626	Probability Stochastic Process (3)	
	646	Topology 2 (3)	
	676	Theory Funct Real Variable 2 (3)	
	678	Complex Variables 2 (3)	3
THES	698	Thesis (1-6)	6

30-31 hrs

DEPARTMENT OF SOCIOLOGY

Revised:

MASTER OF ARTS IN SOCIOLOGY

Admission requirements

Applicants must meet the admission requirements of the Graduate School and present evidence of preparation to do work in sociology.

