SECTION A – Recorded for inclusion in the Undergraduate Catalog

ALL UNIVERSITY CHANGES

University Graduation Requirements

General Education Requirements

\[ \downarrow \]

Distributive Studies Area Course Descriptions

Humanities and the Arts

\[ \downarrow \]

ARTH 292. ART HISTORY SURVEY II: FROM CA. 1400 (3) ……..
ARTH 293. ART HISTORY SURVEY III: FROM 1700 (3) ……..
ARTH 294. ART HISTORY SURVEY IV: ARTS OF THE EAST (3) ……..
ARTH 278. INDIAN AND SOUTHEAST ASIAN ART (3) ……..
ARTH 385. PRE-COLUMBIAN ART (3) ……..
ARTH 388B. Ancient Art II: Classical Art (3) ……..
ARTH 395. 19th Century Art (3) ……..
ARTH 396. Italian High Renaissance Art (3) ……..
COMS 220. Rhetoric and Public Issues (3) ……..

\[ \downarrow \]

MUSC MUHL 220. Introduction to Music (3) ……..

\[ \downarrow \]

Interdisciplinary Studies

\[ \downarrow \]

ARTH 288. MODERN ART AND FILM (3) ……..

\[ \downarrow \]

General Education Course Titles

Humanities and the Arts

\[ \downarrow \]

ARTH 292. ART HISTORY SURVEY III: FROM 1700 (3)

\[ \downarrow \]

Interdisciplinary Studies

ARTH 292. ART HISTORY SURVEY II: FROM CA. 1400 (3)
ARTH 288. MODERN ART AND FILM (3)
ARTH 294. ART HISTORY SURVEY IV: ARTS OF THE EAST (3)
ARTH 278. INDIAN AND SOUTHEAST ASIAN ART (3)
ARTH 385. PRE-COLUMBIAN ART (3)
ARTH 388B. Ancient Art II: Classical Art (3)
ARTH 395. 19th Century Art (3)
ARTH 396. Italian High Renaissance Art (3)
MUSC MUHL 220 – Introduction to Music (3)

University Requirements for Teacher Certification

Insert this paragraph in the Teacher Certification Requirements section of the UG Catalog (page 42, 2011-12 Undergraduate Catalog)

University Requirements for Teacher Certification

Common Requirements for Teacher Certification

Upon satisfactory … … (See the academic department for specific information on other requirements.)

An overall GPA of 2.50 or above in all course work taken at NIU for admission to and retention in a certification program. A passing grade is required in all course work taken for teacher certification. Teacher certification requirements are deemed to be met only by obtaining a grade of C or better in courses using traditional ABCDF grading or an S in those professional or clinical courses in which S/U grading is used. An S is the equivalent to a C or better and a U is equivalent to a D or lower in teacher certification courses using S/U grading. In those courses in which S/U grading basis is applicable, the use of S and U will apply to all students registered in any class section in which S/U grading is employed. Individual students may not elect S and U grading."

Some programs have higher GPA and/or course grade requirements. (See the academic department about specific requirements.)

Academic Regulations

Insert this paragraph in the S/U grading section of the UG catalog (p. 48 of my catalog after the existing paragraph)

Grading System

S/U Grading

In those courses in which the S/U grading basis is applicable, the use of S and U will apply to all students registered in any class section in which the S/U grading basis is employed. Individual students may not elect S and U grading. Teacher certification requirements are deemed to be met only by obtaining a grade of C or better in courses using traditional ABCDF grading or an S in those professional or clinical courses in which S/U grading is used. An S is the equivalent to a C or better and a U is equivalent to a D or lower in teacher certification courses using S/U grading.
UNIV 105. INTRODUCTION TO LIBRARY AND INFORMATION RESEARCH (1). A broad overview of information-literacy concepts as related to the library. Introduction of skills for locating, evaluating, and using all types of resources with special emphasis on the social value and role of quality information. Includes a section on the legal and ethical uses or information. S/U grading.

Illinois Articulation Initiative Core Curriculum

Applicable NIU Courses

↓ Humanities and Fine Arts

↓ ARTH 293. ART HISTORY SURVEY III: FROM 1700 TO 1900
ARTH 294 – Art History Survey IV: Arts of the East
ARTH 297 – ISLAMIC ART F2 903N
ARTH 378 – Indian and Southeast Asian Art F2 903N
ARTH 384. AFRICAN ART F2 903N
ARTH 385 – Pre-Columbian F2 903N
ARTH 386 – Art of Africa, Oceania, and the Americas F2 903N
ENGL 110 – Experience of Fiction

COLLEGE OF BUSINESS

New course: OUNUS 200. PASSPORT INTRODUCTION (0). Designed to introduce the Passport program to students at the end of their sophomore year or beginning of their junior year. The Passport program helps students identify experiences that are important to be successful in today's business world. This workshop explanation of the requirements of the program for business students and the reporting process. To be taken before or concurrent with UBUS 310. S/U grading.

New course:
UBUS 201. PASSPORT CULMINATION (0). Involves an individual meeting with an advisor to confirm successful completion of the Passport program introduced in UBUS 200. Satisfactory completion of UBUS 201 is a graduation requirement for all business majors. S/U grading.

Course revision: Page 72, 2011-12 Undergraduate Catalog

UBUS 310. BUSINESS CORE: LECTURE (9). ...

Other catalog change: Page 70, 2011-12 Undergraduate Catalog

Career Compass

Passport to the Business World
Passport is a non-credit program following the completion of the Career Compass program and is required for all sophomore, junior, and senior students who are pursuing a major in business. Passport helps students become aware of the variety of co-curricular options the College of Business has to offer outside the classroom as well as course electives that particularly strengthen the likelihood of a student’s eventual success in the “real world.” Before graduation, students are required to participate in activities in each of these areas: Business Communications, Career Development, Ethics, Experiential Learning, Global, Leadership, and Service.

Limited Retention Requirements

100- and 200-Level Courses
ACCY 206 - Introductory Financial Accounting (3)

Department of Management

411. ENTREPRENEURSHIP IN MICROFINANCE ORGANIZATIONS (3). ...

Course revision: Page 81, 2011-12 Undergraduate Catalog
SECTION A – Recorded for inclusion in the Undergraduate Catalog

427. ENTREPRENEURSHIP AND BUSINESS MODEL DESIGN (3). … PRQ: MGMT 327 or MGMT 320 or consent of department. CRQ: MGMT 327.

Course revision: Page 81, 2011-12 Undergraduate Catalog

457. MANAGERIAL DECISION MAKING AND NEGOTIATIONS (3). Analysis of the processes used by organizations to make both unilateral and bilateral managerial decisions, as well as the development of skills to enhance managerial decision making the resolution of personal and professional conflicts. PRQ: Grade of C or better in MGMT 335 and MGMT 355 or consent of department.

Department of Operations Management and Information Systems

Course revision: Page 90, 2011-12 Undergraduate Catalog

485. BUSINESS TECHNOLOGY PROJECTS (3). Instruction focused on supervised student team projects conducted within the operations, logistics, or information systems area of selected business organizations. PRQ: Consent of department.

COLLEGE OF EDUCATION

Department of Kinesiology and Physical Education

All University Change

Limited Admissions/Limited Retention

Other Catalog Change: Page 23, 2010-2011 Undergraduate Catalog

Athletic Training Emphasis Major (Department of Kinesiology and Physical Education)

The Department of Kinesiology and Physical Education limits the number of students admitted to the B.S. in kinesiology emphasis in athletic training. To graduate in a timely manner, students are encouraged to apply by January 15 of freshman year. Transfer students compete with other transfer students for admission to the program, and non-transfer students compete with other non-transfer students. The admission requirements outlined below are subject to revision on an annual review. The current admission requirements and admission packet can be obtained in the office of the department's main office advisor.
Students may begin the emphasis major in athletic training only in the fall semester. Application to the athletic training education program is required and the application packet includes:

- Completed pre-admission courses below with a C or better
- Provide a transcript from all post-secondary institutions attended
- Have a minimum overall GPA of 2.50 in all NIU and transfer courses
- One or more essays
- Documentation with a certified athletic trainer’s signature of observation or experience in an athletic training setting within the last 10 months prior to application
- Two letters of recommendation with at least one, but preferably both, from a certified athletic trainer, from people who are familiar with and/or have supervised the applicant’s professional work related or volunteer experiences.

Before a student can be admitted to this emphasis, she or he must have completed the following pre-admission courses with a C or better and have a minimum overall GPA of at least 2.50, including transfer credit.

- CHEM 110, Chemistry (3)
- Completion of one of the university’s mathematics core competency courses (MATH 201 may not be used to fulfill this requirement)
- ENGL 103, Rhetoric and Composition I (3), OR ENGL 104, Rhetoric and Composition II (3), OR ENGL 105, Rhetoric and Composition (3), if placed in ENGL 105
- PSYC 102, Introduction to Psychology (3)

Admission into the emphasis major in athletic training is competitive, and all students who meet the above admission requirements will be required to submit:

- A completed athletic training application form including one or more essays;
- Documentation with a NATABOC certified athletic trainer’s signature of observation or experience in an athletic training setting;
- Two recommendations, with at least one, but preferably both, from a certified athletic trainer, from people who are familiar with and/or have supervised the applicant’s professional work related or volunteer experiences;
- Evidence of current first aid and cardiopulmonary resuscitation (CPR) certification from a nationally recognized organization (e.g., American Red Cross);
- The Athletic Training Technical Standards form (included in application packet) with signature;
- The Contract of Understanding for Athletic Training (included in the application packet) with signature; and
- A copy of academic transcripts from all post-secondary institutions attended.

This information will be used to determine which students are invited for an interview. The interview and above information will be used to determine which students are admitted into the athletic training emphasis major.
NIU students should apply for admission to the emphasis athletic training major through the Department’s main office department adviser. To be considered for fall admission, the completed application must be submitted by February 15th of the previous spring semester. The Athletic Training Admissions Committee will review all completed applications and will select students to be interviewed based on the composite of all components of the application. Notification of admission into the major will be made by March 15th. Late applications will be considered providing there is adequate enrollment space available in the program.

This information will be used to determine which students are invited for an interview. The interview and above information will be used to determine which students are admitted into the athletic training emphasis. An admissions packet containing the application form, hour documentation form, technical standards form, contract of understanding form, and recommendation forms can be obtained from the department’s main office department adviser. Transfer students who have met the admission requirements for this emphasis major prior to applying for admission to the university should apply for admission to the emphasis major in athletic training through the Department of Kinesiology and Physical Education at the same time they apply for admission to the university. In order to be eligible to apply to the athletic training emphasis, major students must have completed the requirements outlined above and must apply for program entrance by January/February 15 to be considered for admission beginning the following fall semester. Notification of admission into the emphasis in athletic training will be made by March 15. Late applications will be considered providing there is adequate enrollment space available in the program.

Pre-Admission Courses:
*CHEM 110—Chemistry (3)
  OR *completion of one of the university’s mathematics core competency courses (MATH 201 may not be used to fulfill this requirement)
*ENGL 103—Rhetoric and Composition I (3),
  OR *ENGL 104—Rhetoric and Composition II (3),
  OR *ENGL 105—Rhetoric and Composition (3), if placed in ENGL 105
*PSYC 102—Introduction to Psychology (3)

Once admitted to the athletic training major, prior to the fall semester, students are required to:
* Provide evidence of current first aid from a nationally recognized organization (e.g., American Red Cross)
* Sign the Contract of Understanding for Athletic Training (original signature)
* Physical exam including immunization records screening

Students must be admitted to the major in athletic training before they can enroll in KNPE 265.
Continued enrollment in the athletic training major is contingent on maintenance of a minimum cumulative GPA of 2.50 on a 4.00 scale, and completion of all required athletic training courses outlined above with a grade of C or better.

The Northern Illinois University athletic training major requires students to gain athletic training clinical experience at local community high schools, under the supervision of an approved clinical instructor and Illinois licensed athletic trainer. Illinois law requires Illinois school boards to conduct a criminal background check. For specifics regarding criminal background check, see teacher certification requirements. An adverse decision for admittance to the program may be appealed through the athletic training major.

It is the responsibility of students to secure a copy of the Athletic Training Student Handbook from the program director, which describes the policies of the major. Students are required to adhere to all current policies and procedures.

New Course Offering

**KNPE 399. HONORS SEMINAR (3).** Topics announced. May be repeated to a maximum of 6 semester hours when topic varies. PRQ: Admission to University Honors Program or departmental Honors Program.

Course Revision

Page 100, 2011-12 Undergraduate Catalog

**KNDC KNDN 351. MULTICULTURAL DANCE (1) (2).** … …

Other Catalog Change

Page 96-97, 2011-12 Undergraduate Catalog

Major in Physical Education (B.S.Ed.)

All students seeking admission to teacher education are required to have an overall minimum GPA of 2.75, a grade of C or better in all core competency requirements (12 credit hours) and pass the ICTS Basic Skills Test. These requirements must be met prior to admission to KNPE 343. Admission to KNPE 343 constitutes admission to teacher education in physical education. Once admitted to the program, students must provide proof of valid First Aid/CPR certification (American Red Cross or American Heart Association) each semester. Students must obtain a minimum grade of C and a 3.00 GPA or higher in the following courses for retention in teacher education: KNPE 343, KNPE 365/366, KNPE 367/368, and KNPE 400. In accordance with ISBE requirements, students must earn a grade of C or better in the following courses in order to be eligible for certification: KNPE 200 KNPE 335, KNPE 340, KNPE 343, KNPE 344, KNPE 348, KNPE 364, KNPE 365, KNPE 366, KNPE 367, KNPE 368, KNPE 421, KNPE 446, KNPE 449, KNPE 466, KNPE 467, KNPE 468, KNPE 490, KNPE 492. Students are encouraged to
maintain close contact with their advisers as the teacher preparation program in physical education is tightly sequenced.

**Emphasis 1. General Physical Education/6-12 Teacher Certification**

**Requirements in Department (66-67 65-66)**

- **KNNDN 351 - Multicultural Dance (1-2)**
- **KNPE 262 - First Aid and CPR (2)**

**Total Hours for Emphasis 1, General Physical Education/6-12 Teacher Certification:** 84-89

**Emphasis 2. General Physical Education/K-12 and 6-12 Teacher Certification**

**Requirements in Department (69-70)**

- **KNNDN 220 - Recreational Dance Forms (2)**
- **KNNDN 351 - Multicultural Dance (1-2)**
- **KNPE 200 - Introduction to Teaching Physical Education (2)**
- **KNPE 262 - First Aid and CPR (2)**

**Total Hours for Emphasis 2, General Physical Education/K-12 and 6-12 Teacher Certification:** 84

**Minor in Kinesiology and Physical Education**

**Option 1. Physical Education (30½ - 33½ 31½ - 34½)**

- **KNPE 209 - Tumbling (½)**
- **KNPE 217 - Personal Health-Related Fitness Development (1)**

**Option 2. Fitness Education Methods for K-12 Students (3)**

- **KNPE 364 - Fitness Education for K-12 Students (3)**
- **KNPE 421 - Curriculum Designs in Middle and High School Physical Education (2)**
Department of Literacy Education

Other Catalog Change

Major in Elementary Education
Requirements in Department
LTRE 300 Elementary School Developmental Reading Programs (3)
LTRE 350 - Organizing for Effective Elementary Reading Instruction (3)
LTRE 311 Content Area Literacy Instruction (3)

Requirements outside Department
ARTE 383 – Teaching Art in Elementary Schools (3)
OR MUSC 373 OR MUED 360 – Fundamentals, Principles, and Practices in Elementary Music (3)

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Inter-College and University-Wide Interdisciplinary Courses (IDSP, UNIV)

Course Revision

UNIV 310. FOUNDATIONS IN HOMELAND SECURITY AND DISASTER PREPAREDNESS (3). Introduction to the field of homeland security and disaster preparedness. Discussion of the risks and hazards associated with planned events, emergencies, natural, human-made, and technological disasters. Discussion of the types of disasters: naturally occurring (earthquakes and hurricanes); human made (acts of terrorism, violence, and chemical releases); and business interruption (power outages, transportation issues). Emphasis on hazard recognition, planning, mitigation, response, and recovery from these types of events and disasters. Enrollment not open to students with credit in TECH 432. PRQ: At least sophomore standing.

Department of Electrical Engineering

Course Revision

421. BIOMEDICAL SENSOR ENGINEERING (3). Theory, analysis, … solid state devices. PRQ: One of the following – ELE 330, or ELE 335, or MEE 390, or consent of department.

436. ANALOG MOS VLSI ENGINEERING (3). Introduction to analog MOS (CMOS) circuits. MOS transistor as both a switch and a linear device. Different MOS circuits such as amplifiers, switches, comparators, sensors, D/A A/D converters, multipliers, and neural networks are investigated.
Introduction to physical layout of VLSI circuits and SPICE modeling of MOS transistors for analog circuits. Introduction to design methodologies and advances in analog designs. Design of different MOS circuits such as current mirrors, voltage references, amplifiers, operational amplifiers, and OTAs. PRQ: ELE 330 or consent of department.

Departments of Industrial and Systems Engineering

Course Revision

494. HEALTH SYSTEMS DESIGN PROJECT (3). Basic approaches to … … research issues. PRQ: At least four of the technical courses required for the health systems engineering emphasis, ISYE 430, ISYE 440, ISYE 450, ISYE 480, and at least three of the technical courses required for the health systems engineering emphasis, or consent of department.

Course Revision:

495. SENIOR DESIGN PROJECT (4). Basic approaches … … emerging research issues. PRQ: At least four of the following: ISYE 310, ISYE 430, ISYE 440, ISYE 460, ISYE 480, or consent of department.

Department of Mechanical Engineering

Other Catalog Change:

Department Requirements

Candidates for the B.S. degree in mechanical engineering must earn a minimum of 18 semester hours in humanities, arts, social sciences, and interdisciplinary studies. This requirement is described under “Special General Education Requirements for Electrical, Industrial and Systems, and Mechanical Engineering Majors” in the College of Engineering and Engineering Technology section of this catalog. Students must consult with their faculty advisers to determine appropriate courses.

Other Catalog Change:

Mission

The mission of the Department of Mechanical Engineering is to provide an up-to-date, high-quality engineering education that meets current professional engineering standards and prepares competent engineers for local and global industry, to develop and/or apply engineering knowledge to address societal needs, and to provide quality professional and public services.

The mission of the Mechanical Engineering Department is to provide a high-quality, visionary engineering education that reflects professional engineering standards and prepares students to become engineers and leaders capable of solving technical challenges that industry and society face now and in the future; to conduct quality research by developing and/or applying engineering knowledge and tools to address
Educational Objectives

The program leading to the B.S. in mechanical engineering is designed to prepare students for successful careers in engineering and related fields by providing a balanced education in mechanical engineering that prepares students to apply analytical, computational, experimental, and methodological tools to solve engineering problems; a strong foundation in mathematics and physical sciences; a broad and balanced general education in the humanities, arts, social sciences, and interdisciplinary studies; sufficient training and development of skills for effective communication and teamwork; a proper understanding of an engineer’s professional and ethical responsibilities in relation to engineering fields and society; and recognition of the need for lifelong learning.

The undergraduate mechanical engineering program is designed to prepare students for successful careers in engineering by providing them with the following: a balanced education in mechanical engineering fields; a foundational knowledge in mathematics and physical sciences; a broad general education in the humanities/arts, social sciences and interdisciplinary studies; training for effective communication and team work; and an understanding and commitment of an engineer’s professional and ethical responsibilities. Our educational objectives are based on the needs of the program’s constituencies: employers, alumni, students and faculty. We expect our graduates to attain the following educational objectives within a few years of graduation:

1. to become successful professionals;
2. to successfully apply engineering knowledge and tools to solve technical problems and challenges, and to design and/or manufacture valuable products or processes;
3. to make contributions to their professional fields, exhibit effective communication skills, and become valuable team members; and
4. to continue professional development and assume professional and leadership responsibility.

Program Outcomes

The graduates of undergraduate mechanical engineering program should attain the following outcomes by the time of graduation: an ability to apply knowledge of mathematics, science, and engineering; an ability to design and conduct experiments, as well as to analyze and interpret data; an ability to design a system, component, or process to meet desired needs within realistic constraints such as scheduling, economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability; an ability to function on multi-disciplinary teams; an ability to identify, formulate, and solve engineering problems; an understanding of professional and ethical responsibility; an ability to communicate effectively and professionally; the broad education necessary to understand the impact of engineering solutions in a global and societal context; recognition of the need for, and an ability to engage in life-long learning; knowledge of contemporary issues; and an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
Requirements in Department (65-66)

A total of three technical electives from Group-A and Group-B below with at least two from Group-A

Group-A: Design-oriented electives

- MEE 351 – Applied Thermodynamics (3)
- MEE 453 – Propulsion (3)
- MEE 454 – Alternative and Renewable Energy (3)
- MEE 455 – Energy Conservation and Environmental Sustainability (3)
- MEE 480 – Finite Element Methods (3)

Department of Technology

New Course

2011-12 Undergraduate Catalog

CIP Code: 15.0

411. GREENING INDUSTRIAL OPERATIONS (3). Analysis of the production processes of selected industrial sectors, their specific environmental and human health/safety impacts, multiple approaches to mitigate the impacts, and the financial benefits of resource and waste reduction. Addresses potential hazards of emerging materials and technologies. Integrated environmental, health and safety auditing of applicable EPA, OSHA, and international environmental regulations. PRQ: TECH 245 or consent of department.

Course Revision

2011-12 Undergraduate Catalog

211. COMPUTER-AIDED DESIGN (3). Basic and advanced computer-aided drafting in two three dimensions and an introduction to solid modeling. CAD tools required to document engineering designs. Students will learn three-view drawings and dimensioning, as well as line types and orthographic projections. Creating detail and assembly representations. Global and working coordinate systems.

Course Revision

2011-12 Undergraduate Catalog

270. ELECTRICAL FUNDAMENTALS AND CIRCUIT ANALYSIS I (3). Introduction to … … sinusoidal current. PRQ: MATH 155 with a C or better and either PHYS 211 or both TECH 175 and TECH 175A. CRQ: TECH 270A.

Course Revision

2011-12 Undergraduate Catalog

277. DIGITAL LOGIC DESIGN (3). Design of digital … … transfer language. PRQ: Either PHYS 211 or both TECH 175 and TECH 175A. CRQ: TECH 277A.
311. COMPUTER-AIDED MODELING (3). Design process in a concurrent engineering environment, migrating from 2-D to 3-D CAD systems. Students will learn intermediate and advanced solid modeling techniques including wireframe, surface, and solid modeling techniques using a popular design package. Rapid prototyping. This course will examine assemblies and systems of drawing. PRQ: Must have a C or better in TECH 211.

APASC 11/9/11

362. NUMERICAL CONTROL SYSTEMS (3). Principles, techniques, … computerized machine tools. PRQ: TECH 262 and either CSCI 215 or CSCI 240 or TECH 295, or consent of department, CSCI 240 or TECH 295, TECH 262, or consent of department.

Course Revision 2011-12 Undergraduate Catalog

420. COMPUTER-INTEGRATED MANUFACTURING (3). Study of computer … robotics. PRQ: TECH 211 and TECH 265 and either PHYS 211 or both TECH 175 and TECH 175A or consent of department; TECH 175, 175A, TECH 211 and TECH 265, or consent of department.

Course Revision 2011-12 Undergraduate Catalog

425. PROGRAMMABLE ELECTRONIC CONTROLLERS (3). Basic concepts … discrete I/Os. PRQ: TECH 265 and either PHYS 211 or both TECH 175 and TECH 175A, and either TECH 295 or CSCI 215 or CSCI 240 or consent of department; TECH 175, TECH 175A, TECH 265, TECH 295 or CSCI 240 or consent of department.

Course Revision 2011-12 Undergraduate Catalog

429. PLANT LOCATION, LAYOUT, AND MATERIALS HANDLING (3). Analysis of … are presented. PRQ: TECH 265 and MATH 155 with a C or better.

APASC 11/9/11

432. DISASTER PREPAREDNESS (3). Introduction to the field of homeland security, emergency management, business continuity planning, and disaster preparedness. Discussion of the risks and hazards associated with planned events, emergencies, natural, human-made, and technological disasters. Emphasis on hazard recognition, planning, mitigation, response, and recovery from these types of events.
Organization for survival from natural and human-made disasters. Includes topics such as emergency response procedures, communications, training, and abatement as they relate to hazardous waste operations, chemical spills, hazardous materials recognition, risk assessment, site control, monitoring, and personal protective equipment use. Enrollment is not open to students with credit in UNIV 310.

Course Revision 2011-12 Undergraduate Catalog

442. WORK SIMPLIFICATION AND MEASUREMENT (3). Techniques for … … service activities. PRQ: TECH 265 and MATH 155 with a C or better.

APASC 11/9/11

Course Revision 2011-12 Undergraduate Catalog

477. ENGINEERING TECHNOLOGY SENIOR DESIGN PROJECT I (1). Review and integration … … preliminary design. PRQ: Senior standing, ENGL 308 or MGMT 346, TECH 377, TECH 378, and TECH 376, or TECH 369, TECH 342, and TECH 391.

Course Revision 2011-12 Undergraduate Catalog

484. ENERGY MANAGEMENT (3). Focus on … … industrial systems. PRQ: MATH 155 with a C or better.

APASC 11/9/11

Other Catalog Changes: 2011-12 Undergraduate Catalog

Major in Technology (B.S.)

Emphasis 1. Electrical Engineering Technology

Requirements in Department (204 (66-67)

Select two of the following (6-7)

TECH 295 - Manufacturing Computer Applications (3)
OR CSCI 215 - Visual Basic (4)

Requirements outside Department (29-30)

ENGL 308 - Technical Writing (3)
OR MGMT 346 - Business Communications (3)
Emphasis 2. Manufacturing Engineering Technology

Requirements in Department (75-76, 72-74)

- TECH 295 - Manufacturing Computer Applications (3)
- OR CSCI 215 – Visual Basic (4)

Emphasis 3. Nuclear Engineering Technology

Requirements outside Department (29-30)

- ENGL 308 - Technical Writing (3)
- OR MGMT 346 – Business Communications (3)

Emphasis 4. Industrial Management and Technology

Requirements in Department (67-72)

- One of the following areas of study (23-25)
  - Computer-Aided Design (24-25)
  - Two of the following (6-7)
  - TECH 409 - Internship (3)
  - TECH 417 – Design for Energy Efficient and Green Materials (3)
  - TECH 420 - Computer-Integrated Manufacturing (3)

Electronics Technology (25-26)

- TECH 295 - Manufacturing Computer Applications (3)
- OR CSCI 215 – Visual Basic (4)

Environmental Safety and Health (24)
Students interested in Ergonomics and/or Industrial Hygiene studies should take BIOS 311 (4) as an elective.

- TECH 441 - Hazard Control in Industrial Operations (3)
- TECH 481 - Ergonomics (3)

One Two of the following (6)
- TECH 409 - Internship (3)
- TECH 411 - Greening Industrial Operations (3)
- TECH 431 - Industrial Ventilation (3)
- TECH 433 - Toxicology for Industry (3)
- TECH 435 - Legal Aspects of Safety (3)
- TECH 438 - Safety in Transportation Systems (3)
- TECH 440 - Monitoring and Evaluating Exposures to Hazardous Materials (3)
- TECH 481 - Ergonomics (3)
- TECH 482 - Industrial Safety Engineering Analysis (3)
- TECH 483 - Applied Ergonomics (3)
- TECH 485 - Risk Management (3)

Manufacturing Technology (24-25)
- TECH 409 - Internship (3)
- TECH 417 - Design for Energy Efficiency and Green Materials (3)
- TECH 441 - Hazard Control in Industrial Operations (3)

Other Catalog Changes:

Emphasis 6. Energy and Environmental Technology

Requirements in Department (52-53)
- TECH 262 - Machine Production Processes (3)
- TECH 265 - Basic Manufacturing Processes (3)
- TECH 406 - Facilities Management Technology (3)
- TECH 411 - Greening Industrial Operations (3)
- TECH 416 - Heating, Ventilating and Air Conditioning Technology (3)

Other Catalog Changes:

Emphasis 5. Aviation Management Technology
Admission to the aviation management technology emphasis is limited to students who possess an A.A.S. degree in aviation maintenance technology from a community college. Entry into this program also requires that the students complete their F.A.A. Airframe and Power Plant certificates. A grade of C or better is required in MATH 155.

Requirements in Department (42)

TECH 391 - Industrial Quality Control (3)
TECH 404 - Supervision in Industry (3)
TECH 406 - Facilities Management Technology (3)
TECH 409 - Internship (2-6)
TECH 429 - Plant Location, Layout, and Materials Handling (3)
TECH 432 - Disaster Preparedness (3)

Technology Electives
Two of the following (6):
- TECH 305/ENVS 305 - Green Technologies (3)
- TECH 302 - Industrial Training and Evaluation (3)
- TECH 432 - Disaster Preparedness (3)
- TECH 442 - Work Simplification and Measurement (3)
- TECH 443 - Engineering Economy (3)
- TECH 444 - Production Control Systems (3)
- TECH 484 - Energy Management (3)

Other Catalog Changes:

Minor in Environmental Management Systems

Coordinator: College of Business: Richard Dowen, William Tallon; College of Engineering and Engineering Technology: Earl Hansen, Murali Krishnamurthi; College of Liberal Arts and Sciences: Philip Carpenter, Harvey Smith

Students are strongly encouraged to take the following courses to prepare for the minor.

- BIOS 106 - Environmental Biology (3)
- OR GEOG 253 - Environment and Society (3)
- OR MEE 101 - Energy and the Environment (3)
- OR CHEM 110 - Chemistry (3)
- OR CHEM 210 - General Chemistry (3)
- OR POLS 220 - Introduction to Public Policy (3)
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Perspective Study Minor Requirements (42-43)(24)

Students must take four of the following courses with at least one course from each of the three perspective study areas outside their major.

Business Perspective
ACCY 288 – Fundamentals of Accounting (3)
FINA 320 – Principles of Finance (3)
MGMT 301 – Business and Society (3)
MGMT 333 – Principles of Management (3)
MKTG 310 – Principles of Marketing (3)
OMIS 338 – Principles of Operations Management (3)

Technology Perspective
TECH 245 – Pollution, Pestilence, Prevention, and the Cost of Doing Business (3)
TECH 434 – Human Factors in Industrial Accident Prevention (3)
TECH 436 – Design and Administration of Industrial Safety (3)
TECH 484 – Energy Management (3)

Policy Perspective
ECON 386 – Environmental Economics (3)
GEOG 453 – Environmental Management (3), OR GEOG 455 – Land-Use Planning (3)
POLS 324 – Environmental Law and Policy (3)
ENVS 304 – Environmental Law, Policy, and Economics (3)

Science Perspective
BIOS 406 – Conservation Biology (4)
GEOG 303 – Water Resources and the Environment (3)
GEOG 421 – Environmental Geochemistry (3)
PHHE 351 – Elements of Environmental Health (3)
GEOG 455 – Land-Use Planning (3)

TECH 406 – Facilities Management Technology (3)
TECH 432 – Disaster Preparedness (3)

Capstone Requirements (6)
IDSP 442 – Proseminar/Internship in Environmental Management Systems (3)
TECH 398W – Environmental Health and Safety (3)
TECH 496 – Industrial Project Management (3)
GEOG 256 – Maps and Mapping (3)
OR GEOG 303 – Water Resources and the Environment (3)
**Minor in Gerontology (15)**

- **Primary Content Area (9-12)**
  - IDSP 465 - Issues in Gerontology (3)
  - Course work from the following (6-9)
    - FCNS 486 - Aging and the Family (3)
    - UHHS 466 - Seminar in Gerontology (3)
    - May be repeated to a maximum of 6 semester hours if topic changes
    - UHHS 467 - Fieldwork in Gerontology (3)
    - May be repeated to a maximum of 6 semester hours
    - KNPE 454 - Exercise Gerontology (3)
    - PSYC 425 - Adult Development and Aging (3)

**Other Courses Related to gerontology (3-6) (3-9)**

- ANTH 465 - Medical Anthropology (3)
- *BIOS 109 - Human Biology (3)
- *FCNS 280 - Human Development, the Family, and Society (3)
- PSYC 225 - Lifespan Development: Childhood Through Adulthood (3)
- FCNS 310 - Applied Nutrition (3)
- FCNS 201 - Human Nutrition (3)
- FCNS 486 - Aging and the Family (3)
- UHHS 301 - Independent Study in Health and Human Sciences (3)
- KNPE 454 - Exercise Gerontology (3)
- KNPE 493 - Supervised Clinical Experience in Exercise Gerontology (2)
- PHHE 410 - Death Education (3)
- PHHE 433 - Principles of Long-Term Care Administration (3)
- POLS 326 - Nonprofit Management (3),
  - OR PSPA 326X - Nonprofit Management (3)
- PSYC 425 - Adult Development and Aging (3)

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**School of Allied Health and Communicative Disorders**

**All University Change**

**Limited Admissions/Limited Retention**
SECTION A – Recorded for inclusion in the Undergraduate Catalog  

Clinical Laboratory Sciences Major  
(School of Allied Health and Communicative Disorders)  
- Students interested in the CLS major may access application materials on the website: http://www.chhs.niu.edu/cls/. Applicants must submit the required materials by March 1. Notification of clinical laboratory sciences program admission status will be made by April 1. Additional applications may be considered before June 1 based upon space availability.

Course Revisions Pages 151-152, 2011-12 Undergraduate Catalog

Course List

Allied Health and Communicative Disorders (AHCD)  
- 440. INTRODUCTION TO TEACHING IN THE ALLIED HEALTH PROFESSION (1-3)  

494. WORKSHOP IN ALLIED HEALTH AND COMMUNICATIVE DISORDERS (1-3). Application of principles … concurrent enrollment. S/U grading may be used.

498. TUTORIAL IN ALLIED HEALTH AND COMMUNICATIVE DISORDERS (1-3). Directed individual … concurrent enrollment. S/U grading may be used.

Course Revision Page 152, 2011-12 Undergraduate Catalog

Clinical Laboratory Sciences (AHLS)  
- 336. CLINICAL DIAGNOSTIC MICROBIOLOGY/MYCOLOGY/PARASITOLOGY (3). Theory and application …

470. TOPICS IN APPLIED CLINICAL LABORATORY SCIENCES.  
- Q. Clinical Pathology Correlation (1)  
- R. Clinical Microscopy (1-3)

471. CLINICAL LABORATORY SCIENCE LECTURE SERIES (3). Advanced lectures and practical assessment in clinical laboratory sciences by faculty and invited guest speakers with expertise in specialty topics. Course may be repeated for up to 8 semester hours. PRQ: Grades of C or better in all AHLS 300-level courses, or consent of school.

Course Revision Page 153, 2011-12 Undergraduate Catalog
Communicative Disorders (COMD)

421. AURAL REHABILITATION (3). Methods and … … amplification systems. PRQ: COMD 221 and COMD 300 and COMD 305.

School of Family, Consumer and Nutrition Sciences

Course Revision

Course List

General

450. WORKSHOP IN FAMILY, CONSUMER, AND NUTRITION SCIENCES. (1-3)

Family and Child Studies

231. AN OBSERVATIONAL APPROACH TO THE STUDY AND ASSESSMENT OF YOUNG CHILDREN (3). Observational techniques … … experimental settings. Emphasis on children from 0-5 years of age, diverse learners and learning environments. CPQ: FCNS 230 or EPS 304 or PSYC 324.

School of Nursing

All University Change

Limited Admissions/Limited Retention

Other Catalog Change

Nursing Major
(School of Nursing and Health Studies)

Current NIU Students

Applicants with fewer than 24 post-secondary semester hours completed by the application deadline will be considered as freshmen (see previous section). Current NIU student applicants are defined as those who have earned 24 or more post secondary semester hours and must have an established NIU GPA with a minimum of 12 hours that apply to the student’s major, minor, or general education requirements and who are not registered nurses. Current NIU students will be reviewed as a separate applicant pool.
PHHE 351. ELEMENTS OF ENVIRONMENTAL HEALTH (3). Analysis and control … … health programs. CRQ: BIOS 213 or BIOS 313; and CHEM 110 or CHEM 210; and MATH 210 or MATH 211 or MATH 229; or consent of school.

PHHE 481. APPLIED PROFESSIONAL HEALTH SCIENCES (10-25).
A. Dental Hygiene
↓
N. Surgical Technology
Q. Other appropriate health care area

Public Health and Health Education Programs

General Information

B. S. in Public Health Degree Completion Program

The B.S. public health degree completion program in the general public health and health administration emphases are designed to award credit to practicing health care professionals for their recent education and previous learning experiences in the fields of dental hygiene, respiratory care, radiologic technology, long-term care administration, health information technology, nursing, occupational therapy assistant, physical therapy assistant, speech-language pathology assistant, surgical technology, or other appropriate health care area. With the consent of the program departmental adviser, up to 25 semester hours of credit in PHHE 481 may be applied to the area of study in applied professional health sciences. The credit will be held in “escrow” and will be posted to the student’s transcript upon the completion of all designated 400-level course work for the public health major, at which time the student will receive credit in PHHE 487, PHHE 489, variable credit in PHHE 481, as well as credit to be determined by the department based on professional course work of the student. Students in this program are exempt from the 30 semester hour university residence requirement. Students interested in the B.S. in public health degree completion program should contact a program adviser for a pre-admission interview and course counseling session.

Major in Public Health (B.S.)

The public health program prepares students for professional positions in general public health, health
administration, environment and health, and health promotion. Depending on their particular interests, graduates will be involved in developing and communicating health information to the public, planning and managing health service programs and facilities, and investigating and evaluating specific environmental and community health problems. Degree completion in public health is available to practicing health care professionals. See below Emphasis 1 for details. Students aspiring to major in public health should contact a program adviser as early as possible, preferably during their freshman year, for academic advising session. Failure to do so could result in a delayed graduation.

Major Requirements

B.S. in Public Health Degree Completion Program

The B.S. public health degree completion program in the general public health emphasis is designed to award credit to practicing health care professionals for their recent education and previous learning experiences in the fields of dental hygiene, respiratory care, radiologic technology, long-term care administration, health information technology, nursing, occupational therapy assistant, physical therapy assistant, speech language pathology assistant, and surgical technology. With the consent of the departmental adviser, up to 25 semester hours of credit in PHHE 481 may be applied to the area of study in applied professional health sciences. The credit will be held in “escrow” and will be posted to the student’s transcript upon the completion of all designated 400-level course work for the public health major, at which time the student will receive credit in PHHE 487, PHHE 489, variable credit in PHHE 481, as well as credit to be determined by the department based on professional course work of the student. Students in this program are exempt from the 30 semester hour university residence requirement. Students interested in the B.S. in public health degree completion program should contact a program adviser for a pre-admission interview and course counseling session.

Total Hours for Emphasis 1, General Public Health: 78-103

Emphasis 3. Environment and Health

Requirements outside School

ENVS 304 - Environmental Law, Policy and Economics (3)

Emphasis 4. Health Promotion

Requirements outside School (15-16)

COMS 200 - Public Speaking (3),

OR COMS 304 - Introduction to Persuasion Theory (3)
COLLEGE OF LIBERAL ARTS AND SCIENCES

Course Revision

Undergraduate Catalog

WOMS 230. WOMEN IN CONTEMPORARY AMERICA. WOMEN, SEX, AND GENDER TODAY (3). Critical examination and multidisciplinary analysis of gender norms, gender roles, and women’s experiences and status in contemporary society with attention to race, ethnicity, class, and sexual orientation.

Course Revision

Undergraduate Catalog

WOMS 240. ISSUES IN WOMEN’S STUDIES (3). Interdisciplinary introduction to selected problems and issues in women’s studies. May be repeated to a maximum of 6 semester hours as topic changes.

Other Catalog Change:

Undergraduate Catalog

Minor in Classical Studies

Three of the following (3)

ARTh 291 – Art History Survey I: to ca. 1400 (3)
ARTh 388A – Ancient Art II: Preclassical Art (3)
ARTh 388B – Ancient Art II: Classical Art (3)
ARTh 390A – Early Christian and Early Byzantine Art: 330-843 (3)
ENGL 307 – Selected Readings in Drama (3) (classical focus)

HIST 492A – Special Topics in History: Ancient

Minor in Global Studies

Global Arts Studies

ARTh 294 – Art History Survey IV: Arts of the East (3)
ARTh 378 – Indian and Southeast Asian Art (3)
ARTh 379A – Far Eastern Art: China (3)
ARTh 379B – Far Eastern Art: Japan (3)
ARTh 384 – African Art (3)
ARTh 385 – Pre-Columbian Art (3)
## SECTION A – Recorded for inclusion in the Undergraduate Catalog

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ARTH 386</td>
<td>Art of Africa, Oceania, and the Americas (3)</td>
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<tr>
<td>ARTH 387A</td>
<td>Ancient Art I: Egypt (3)</td>
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<tr>
<td>ARTH 388B</td>
<td>Ancient Art II: Classical Art (3)</td>
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</tr>
<tr>
<td>ARTH 392A</td>
<td>Northern Renaissance Art I (3)</td>
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<tr>
<td>ARTH 396</td>
<td>Italian High Renaissance Art (3)</td>
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<tr>
<td>ARTH 487</td>
<td>Southeast Asian Art (3)</td>
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<tr>
<td>ENGL 335</td>
<td>Non-Western and Third-World Literature (3)</td>
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<tr>
<td>MUSC MUHL 326</td>
<td>Survey of World Music (3)</td>
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<td>MUSC MUHL 431</td>
<td>Music of Southeast Asia (3)</td>
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</tr>
<tr>
<td>MUSC MUHL 432</td>
<td>Music of China (3)</td>
<td></td>
</tr>
</tbody>
</table>

### Other Catalog Change: Undergraduate Catalog

**Minor in Latino/Latin American Studies (18)**

- Five of the following (15)
  - ANTH 469 – Archeology of Empires (3)
  - ARTH 376 – Latin American Art (3)
  - ARTH 385 – Pre-Columbian Art (3)
  - ARTH 386 – Art of Africa, Oceania, and the Americas (3)
  - ECON 341D – Economic Area Studies: Latin America (3)

- FLSP 322 - Masterpieces of Spanish-American Literature (3)
- FLSP 361 - Introduction to Spanish Cultures (3)
- FLSP 362 - Introduction to Spanish American Cultures (3)
- FLSP 380 - Gender and Hispanic Business Practice (3)
- FLSP 439 - Women Authors in Hispanic Literature (3)
- FLSP 440 - Spanish American Poetry and Theater (3)

### Other Catalog Change: Undergraduate Catalog

**Minor in Southeast Asian Studies (19-21)**

Coordinator: James T. Collins, director, Center for Southeast Asian Studies
Requirements (19 or 21)
Students must include 10 semester hours of an intensively taught Southeast Asian language (Burmese, Indonesian, Khmer, Malay, Tagalog, or Thai) or 12 semester hours of Chinese language. An additional 9 semester hours, from at least two departments, of Southeast Asian language or nonlanguage credit must be selected from the following list of courses.

- **ANTH 498** – Independent Study in Anthropology (1-6)
- **ARTH 378** – Indian and Southeast Asian Art (3)
- **ARTH 487** – Southeast Asian Art (3)
- **ENGL 400** – Literary Topics (3)
- **FLIS 481** – Independent Study in a Foreign Language (1-3)
- **FLST 181** – Elementary Language Instruction I (1-5)
- **FLST 182** – Elementary Language Instruction II (1-5)
- **FLST 381** – Special Topics in Language I (3)
- **GEOG 390** – Topics in Geography (1-3)
- **GEOG 408** – Tropical Environmental Hazards (3)
- **HIST 346** – Women in Asian History (3)
- **HIST 387** – History of Genocide (3)
- **HIST 498** – Special Topics in History: Asian
- **MUSC 398A** – MUSE 370 – World Music Ensemble: Gamelan (1)
- **MUSC 431** – Music of Southeast Asia (3)
- **POLS 371** – Politics in Southeast Asia Credits: 3
- **POLS 376** – Political Violence (3)
- **POLS 384** – Contemporary Foreign Policy (3)
- **POLS 395** – Contemporary Topics in Political Science (3)

Other Catalog Change

Undergraduate Catalog

Minor in Women’s Studies (18)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

↓

Requirements (18)

↓

Three of the following (9)

↓

SOCI 358 - Racial and Ethnic Minority Families (3)

SOCI 450 - Social Inequality (3)

↓

Other Catalog Change

Concentration in Medieval Studies

↓

Five of the following ....

ARTH 390A – Early Christian and Early Byzantine Art: 330-843 (3)

ARTH 390B – Middle and Late Byzantine Art: ca. 843-1453 (3)

ARTH 391A – Early Medieval Art: ca. 500-1000 (3)

ARTH 391B – Romanesque and Gothic Art (3)

ARTH 392A – Northern Renaissance Art I (3)

ARTH 393 – Italian Early Renaissance Art (3)

ARTH 497 – History of Architecture I: to 1400 (3)

ENGL 320 – History of the English Language (3)

↓

HIST 498B – Special Topics in History: Medieval (3)

↓

MUSC 321 – History and Literature of Music I (3)

Other Catalog Change

Certificates of Undergraduate Study

Asian American Studies

One of the following

↓

ARTH 294 – Art History Survey IV: Arts of the East (3)

ARTH 378 – Indian and Southeast Asian Art (3)

ARTH 482 – Southeast Asian Art (3)

ENGL 335 – Non-Western and Third-World Literature (3)

Other Catalog Change

College of Liberal Arts and Sciences
Pre-engineering

Students who pursue this course of study will be able to transfer approximately two years of work to an engineering school. The amount of credit that can be transferred depends upon the branch of engineering for which they are preparing, the schools to which they will transfer and their high school backgrounds, particularly in mathematics. It is recommended that students interested in engineering take four years of high school mathematics, including trigonometry, so that they may enroll in MATH 229 and PHYS 253 during their first semester.

Students wishing to participate in this course of study should consult with the college’s Advising and Counseling Office or the Department of Physics for advisement and also consult the catalog of the prospective engineering school for special requirements.

Requirements

CHEM 210 - General Chemistry I Credits: 3
AND CHEM 212 - General Chemistry Laboratory I Credits: 1
CHEM 211 - General Chemistry II Credits: 3
AND CHEM 213 - General Chemistry Laboratory II Credits: 1
CSCI 230 - Computer Programming in FORTRAN Credits: 4
ENGL 103 - Rhetoric and Composition I Credits: 3
ENGL 104 - Rhetoric and Composition II Credits: 3
MATH 229 - Calculus I Credits: 4
MATH 230 - Calculus II Credits: 4
MATH 232 - Calculus III Credits: 4
AND either MATH 334 - Foundations of Applied Mathematics Credits: 4
or MATH 336 - Ordinary Differential Equations Credits: 3
PHYS 253 - Fundamentals of Physics I: Mechanics Credits: 4
PHYS 273 - Fundamentals of Physics II: Electromagnetism Credits: 4
PHYS 300 - Analytical Mechanics I Credits: 3
(is not required for all engineering programs; consult with physics department adviser)
Appropriate electives selected in consultation with adviser to bring total to 64 semester hours.

Department of Anthropology

New Courses Undergraduate Catalog

CIP: 45.02

391. DOMESTICATING THE PLANET (3). Examines the critical problems of human environment interactions, such as climate change, resource intensification and depletion, resource conflict, disasters, and demographic impacts on the environment using a conceptual background in human ecology and cultural evolution. PRQ: Departmental or University Honors Student.
471. ANCIENT ENVIRONMENTS AND HUMAN TECHNOLOGY (3). In-depth anthropological perspective on ancient human interaction with the environment, with emphasis on the role the environment plays in cultural change. The goals of the course are to experience in the synchronization of environmental and archaeological research and to understand how ancient societies manipulated their environments to foster ecological change.

Course Revisions

326X. SURVEY OF WORLD MUSIC (3). Crosslisted as MUSC MUHL 326. … …

462. COLLECTIONS MANAGEMENT (3). Lectures and … … museum collection. PRQ: Consent of department.

Department of Biological Sciences

Course Revisions

208. FUNDAMENTALS OF CELLULAR BIOLOGY I (3). Introduction to fundamental processes of organisms operating at the molecular and the cellular level of organization. Other topics include chemical and molecular aspects of life, cellular metabolism, genetic information flow, theory of inheritance, genetic engineering, and principles of cellular physiology. Three hours of lecture per week. Course designed specifically for biological sciences majors, but open to others. PRQ: CRQ: CHEM 210, and CHEM 212.

209. FUNDAMENTALS OF ORGANISMAL BIOLOGY II (3). Continuation of BIOS 208. Introduction to higher levels of biological organization from organism to the ecosystem. Topics include organismal diversity, physiology, mechanisms of micro- and macro-evolution, animal behavior, and the dynamics and organization of populations, communities and ecosystems. Three hours of lecture per week. Course designed specifically for biological sciences majors, but open to others. PRQ: BIOS 208 and BIOS 210, or BIOS 104. CRQ: BIOS 211.

210. FUNDAMENTALS OF CELLULAR BIOLOGY I LABORATORY (1). Designed to accompany BIOS 208. One 3-hour period per week. CRQ: BIOS 208.

211. FUNDAMENTALS OF ORGANISMAL BIOLOGY II LABORATORY (1). Designed to accompany BIOS 209. One 3-hour period per week. CRQ: BIOS 209.

213. INTRODUCTORY BACTERIOLOGY (3). Fundamental principles … … biological sciences. Two hours of lecture and two hours of laboratory per week. PRQ: Either BIOS 104, or BIOS 208 and BIOS 210.
300. CELL BIOLOGY (4). Cellular structure … … session per week. PRQ: BIOS 208, BIOS 210, CHEM 211, and CHEM 213. CRQ: BIOS 209 and BIOS 211.

305. BIOLOGY OF LAND PLANTS (4). Land plants … … laboratory per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

308. GENETICS (5). Principles of … … laboratory per week. PRQ: BIOS 205 and BIOS 202, BIOS 208 and BIOS 210. CRQ 209 and BIOS 211.

313. MICROBIOLOGY (4). Fundamental characteristics … … per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, BIOS 211, CHEM 211, and CHEM 213.

316. GENERAL ECOLOGY (4). Structure and … … laboratory per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

317. EVOLUTION (3). Principles of … … are compared. PRQ: BIOS 205, BIOS 202, BIOS 208, BIOS 210, BIOS 209 and BIOS 211.


406. CONSERVATION BIOLOGY (4). Ecological bases for … …. Field trips required. PRQ: BIOS 316 or BIOS 317 or ENVS 301 and ENVS 302.

409X. WATER QUALITY (4). Crosslisted as ENVS 409, and GEOL 409X, and PHHE 409X. … …

411. PLANT PHYSIOLOGY (4). Physical and chemical aspects of the functions of higher plants. Two hours of lecture and four hours of laboratory. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

412. MYCOLOGY (4). Culture, morphology, and economic significance of the fungi. Two hours of lecture and four hours of laboratory. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

420. PLANT PATHOLOGY (3). Specific causal … … of laboratory. PRQ: BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

430. PLANT SYSTEMATICS (4). Systematics and … … laboratory periods. PRQ: BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

433. BEHAVIORAL ECOLOGY (3). Examples and theories of how behavior influences survival and reproduction in different environments. PRQ: BIOS 208, BIOS 210, BIOS 209, and BIOS 211.
SECTION A – Recorded for inclusion in the Undergraduate Catalog

447. COMPARATIVE ANATOMY (4). Relationships of … … laboratory. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

448. AQUATIC ECOLOGY (4). Structure and … … laboratory per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211; or ENVS 301 and ENVS 302.

453. ENTOMOLOGY (3). Insects and other … … laboratory per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.

455. COMPARATIVE PHYSIOLOGY (3). General physiological … … per week. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211.


458. VERTEBRATE PALEONTOLOGY (3). Crosslisted as GEOL 458X. Survey of the … … geological settings. PRQ: BIOS 205, BIOS 207, BIOS 208, BIOS 210, BIOS 209, and BIOS 211; or GEOL 320.


Other Catalog Change

Major in Biological Sciences (B.S.)
A minimum of 15 of the 42-46 semester hours of biology required for the major must be taken at NIU.

Requirements in Department (42) (46)
BIOS 205 – Organismal Diversity (3),
AND BIOS 207 – Organismal Diversity Laboratory (1)
BIOS 208 – Fundamentals of Cellular Biology I (3),
AND BIOS 210 – Fundamentals of Cellular Biology I Laboratory (1)
BIOS 209 – Fundamentals of Organismal Biology II (3),
AND BIOS 211 – Fundamentals of Organismal Biology II Laboratory (1)
BIOS 308 – Genetics (5)
BIOS 494 – Biology Competency Senior Assessment (1)
Electives from biological sciences courses at the 300 or 400 level (20) (32)
Students should consult with a departmental adviser for assistance in selecting the appropriate sequence of courses to constitute a track of study in one of the following subdisciplines of biology.

- Animal organismal biology
- Cellular and molecular biology
- Ecology and evolution
- General Microbiology
- Microbiology
- Plant molecular biology
- Plant organismal biology
- Physiology and development
- Teacher certification

Lists of courses appropriate to each of the above tracks are available in the department office and from department undergraduate advisers. Other tracks can be developed in consultation with an adviser.

Biology electives are offered in four primary areas of departmental specialization and include:

1) Biomedical Pre-Professional
2) Cell and Molecular Biotechnology
3) Microbiology
4) Biodiversity: Ecology, Evolution and Conservation

Students should consult with the departmental advisor for assistance in selecting the appropriate sequence of courses within one of these fields of study. Lists of biology upper level elective courses that are particularly relevant for each of the tracks are available in the Department of Biological Sciences office and website.

Other Catalog Change

Teacher Certification

Admission and Retention Requirements in the Discipline

Students interested in … … … breadth and depth of discipline background. A grade of C or better is required in all coursework in biological sciences. Students must also complete *COMS 100, *ENGL 103, and ENGL 104 (available for general education credit) with a C or better. Students pursuing a degree in secondary science teacher certification must have a grade of C or better in all coursework specifically required for certification. This includes all biology chemistry, physics and math courses, pedagogy, and written communication, oral communication, and psychology general education classes. Higher numbered courses may be substituted if approved by the departmental certification adviser.
Minor in Biological Sciences (20) (19)
BIOS 205 – Organismal Diversity (3),
AND BIOS 207 – Organismal Diversity Laboratory (1)
BIOS 208 – Fundamentals of Cellular Biology I (3),
AND BIOS 210 – Fundamentals of Cellular Biology Laboratory (1)
BIOS 209 – Fundamentals of Organismal Biology II (3),
AND BIOS 211 – Fundamentals of Organismal Biology II Laboratory (1)
Electives from biological sciences courses at the 300 or 400 level (811)

Department of Computer Science

New Courses: Undergraduate Catalog

CIP: 11.07

321. iOS MOBILE DEVICE PROGRAMMING (4). Comprehensive introduction to building applications for mobile devices that use Apple’s iOS operating system. Topics covered will include application of Model-View-Controller design architecture, database and web services, graphics, multithreading, networking and interaction with hardware sensors. Extensive laboratory work. PRQ: CSCI 241 or consent of department.

322. ANDROID MOBILE DEVICE PROGRAMMING (4). Android application programming including use of a standard integrated development environment, debugging, user interface creation, and multithreading and network applications. Students will be able to instruction in coding, running, and debugging a variety of applications using software emulators as well as tethered hardware devices. Extensive laboratory work. PRQ: CSCI 241 or consent of department.

323. MICROSOFT MOBILE DEVICE PROGRAMMING (4). Comprehensive introduction to building Microsoft phone applications. Includes extensive programming in C#. Technical topics include user interface design, navigation, debugging, hardware sensors and web services. Extensive laboratory work. PRQ: CSCI 241 or consent of department.

427. ADVANCED APPLICATION DESIGN FOR MOBILE DEVICES (3). Principles of advanced application design for mobile devices. Focus on the application’s user experience and value to the user. Includes design principles for applications that are intended to run on multiple mobile device platforms. Includes extensive programming in Objective-C, Java, or C#. Extensive laboratory work. PRQ: Two of the following: CSCI 321, CSCI 322, or CSCI 323, or consent of department.
428. ADVANCED PROGRAMMING TOPICS FOR MOBILE DEVICES (3). In-depth coverage of advanced topics in programming mobile devices. Topics include exception handling, memory and thread management, and external data portals. Design principles for applications that are intended to run on multiple mobile device platforms. Includes extensive programming in Objective-C, Java, or C#. Extensive laboratory work. PRQ: Two of the following: CSCI 321, CSCI 322, or CSCI 323, or consent of department.

499. SENIOR HONORS CAPSTONE (1-3). Preparation of an independent study honors project under the guidance of a faculty mentor. Will not count toward credit in the major. PRQ: Admission to the university honors program and consent of department.

Course Revision: Undergraduate Catalog

275. ELEMENTARY WEB DESIGN (3). Practical techniques for … … for COMS 359 or CSCI 475.

Other Catalog Change: Undergraduate Catalog

Certificate of Undergraduate Study
Mobile Programming
This certificate is designed to provide study in programming mobile devices such as the iPhone, iPad, Droid phones, and Microsoft phones. The certificate is open to all undergraduates. Students must maintain good academic standing in the university, achieve a minimum grade of C in each certificate course, and complete all certificate course work within six calendar years. All course requirements for the certificate must be completed at NIU. Depending upon a student’s prior programming background, successful completion of deficiency courses may be required before the student is allowed to enroll in any certificate courses. With department approval, some or all of the certificate courses may be applied toward undergraduate degree requirements in the department. The Department of Computer Science reserves the right to limit enrollment in any of the certificate courses. Students should consult with the undergraduate certificate advisor prior to registering for any courses.

Requirements (14)
CSCI 427 – Advanced Application Design for Mobile Devices (3)
CSCI 428 – Advanced Programming Topics for Mobile Devices (3)
Course work from the following (14 credit hours total):
Choose two (8 credit hours total): Two of the following (8)
  CSCI 321 – iOS Mobile Device Programming (4)
  CSCI 322 – Android Mobile Device Programming (4)
  CSCI 323 – Microsoft Mobile Device Programming (4)
CSCI 427 – Advanced Application Design for Mobile Devices (3)
CSCI 428 – Advanced Programming Topics for Mobile Devices (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

Department of Economics

Course Revision

370. CURRENT ECONOMIC ISSUES (3).
Topics of current importance to consumers, resource owners, business, and government. May be repeated once up to 9 hours as topics change and can be taken concurrently. PRQ: ECON 260 and ECON 261.

Department of English

Other Catalog Change

Minor in English (18)

Certificate of Undergraduate Study

Creative Writing (12)

This certificate is designed to provide interested students the opportunity to study the craft of writing poetry, fiction, or creative nonfiction. Students in any baccalaureate degree program who have at least sophomore standing and a GPA of 2.00 or better can complete the requirements for the certificate. Students must select a single genre, and register with one of the coordinators of creative writing for approval of the program of study.

Each student will take four three-credit, upper-upper level (300 or higher) courses, including the introductory and advanced workshops in sequence in the chosen genre, one course in reading and analysis of the literature of that genre, and one course (excluding workshop) in a second genre.

The introductory and advanced workshop (in sequence) in the chosen genre, which serves as the foundational courses:

ENGL 301 - Writing Poetry I (3) and AND ENGL 401 - Writing Poetry II (3)
OR ENGL 302 - Writing Fiction I (3) and AND ENGL 402 - Writing Fiction II (3)
OR ENGL 303 - Writing Creative Nonfiction (3) and AND ENGL 493 - Writing Creative Nonfiction II (3)

Two from the following (one course must be in your selected genre, and one must be from outside your selected genre):

ENGL 304 - Writing Arts Criticism (3)
ENGL 374 - The American Short Story (3)
ENGL 375 - The American Novel (3)
ENGL 377 - American Poetry since 1900 (3)
ENGL 384 - Literary Nonfiction (3)
ENGL 471 - The English Novel since 1900 (3)
ENGL 475 - British Poetry since 1900 (3)
ENGL 400 - Literary Topics, as applicable (3-6)

Environmental Studies

New Courses

ENVS 490. UNDERGRADUATE RESEARCH (1-3). Independent work in environmental studies under the direction of a faculty member. May be repeated to a maximum of 6 semester hours. PRQ: Consent of department.

ENVS 491. SPECIAL TOPICS IN ENVIRONMENTAL STUDIES (1-3). Lectures, discussion, readings, and reports on topics of special interest in a particular field of environmental studies. May be repeated for a maximum of 6 semester hours. PRQ: Consent of the department.

ENVS 492. INTERNSHIP IN ENVIRONMENTAL STUDIES (1-6). Students work for a semester or a summer as interns with appropriate organizations under the supervision and advisement of a faculty adviser. May be repeated to a maximum of 6 semester hours.

ENVS 498. SENIOR THESIS (1-3). Independent research on an environmental studies problem under the direction of a faculty adviser leading to the completion of a written report and oral presentation to a thesis committee. May be repeated to a maximum of 6 semester hours. PRQ: Consent of the department.

ENVS 499. SENIOR THESIS: HONORS (1-3). Independent research for honors students on an environmental studies problem under the direction of a faculty adviser leading to the completion of a written report and oral presentation to a thesis committee. May be repeated to a maximum of 6 semester hours. PRQ: Consent of the department.

Course Revision

409. WATER QUALITY (4). Crosslisted as BIOS 409X, and GEOL 409X and PHHE 409X...

Other Catalog Change

Major in Environmental Studies (B.A. or B.S.)

Requirements in ENVS (18)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ENVS 305 – Green Technologies (3)
Three semester hours from the following: (3)
- ENVS 450 Issues in Environmental Studies (3)
- ENVS 490 Undergraduate Research (1-3)
- ENVS 491 Special Topics in Environmental Studies (1-3)
- ENVS 492 Internship in Environmental Studies (1-6)
- ENVS 498 Senior Thesis (1-3)
- ENVS 499 Senior Thesis – Honors (1-3)

Requirements outside ENVS (B.A., 109-22; B.S., 15-16)

For the B.A. degree

Fulfillment of foreign language requirement (0-12)
(See “Foreign Language Requirement for the B.A. Degree.”)
- CHEM 110 - Chemistry (3)
- CHEM 111 - Chemistry Laboratory (1)
- CHEM 100 - Chemistry in Everyday Life (3)
- OR PHYS 140 - Physics and Society (3)
- MATH 155 – Trigonometry and Elementary Functions (3)
- OR MATH 211 – Calculus for Business and Social Science (3)
- STAT 208 – Basic Statistics (3)

For the B.S. degree

Emphasis 1. Biodiversity and Environmental Restoration (34-41)

Requirements outside Environmental Studies (10)

Select three of the conceptually-based courses (9-12)
- ANTH 343/ENVS 343X – Extinction: Where the Wild Things Were (3)
- ANTH 444 - Primate Ecology and Conservation (3)
- ANTH 445/BIOS 435X - Primate Evolution (3)
- BIOS 316 - General Ecology (4)
- BIOS 317 - Evolution (3)
- BIOS 433 - Behavioral Ecology (3)
- BIOS 439 - Molecular Evolution (3)
- BIOS 448 - Aquatic Ecology (4)
- BIOS 462 - Biogeography (3)
- BIOS 487 - Conservation Genetics (3)
- GEOG 422 - Plant-Soil Interactions (4)
- GEOG 453 - Environmental Management (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

GEOL 320 - Environments and Life Through Time (4) OR
GEOL 322 – Paleogeography, Paleoclimatology, Paleoecology (4)
GEOL 488 - Environmental Change (3)

Select two of the methods-based courses (6-8)

CHEM 427/ENVS 427X – Environmental Chemistry (3)
ENVS 409/BIOS 409X/GEOL409X – Water Quality (4)
GEOG 359 - Introduction to Geographic Information Systems (3)
GEOG 368 – Climate Change: Science, Impacts and Mitigation (3)

↓

GEOL 477 - Field Methods in Environmental Geosciences (4)

Select two of the following taxonomically-based courses (6-8)

↓
Select one of the following humanities and social sciences courses (3)

ANTH 425 - Environment and Anthropology (3)
ANTH 432 - Nature and the Environment Across Cultures (3)
ANTH 314/ENVS 314X – Domesticating the Planet: 100,000 years of Humans and the Environment (3)

↓
ECON 386 - Environmental Economics (3)

↓

Emphasis 2. Energy Studies (6-9)

GEOG 453 - Environmental Management (3)
TECH 484 - Energy Management (3)

Select three of the following technology/engineering-based courses (9)

↓
TECH 432 - Disaster Preparedness (3)
TECH 411 - Greening Industrial Operations (3)

Select three of the applications and natural science-based courses (9)

BIOS 106 - Environmental Biology (3)

↓
ENVS 409/BIOS 409X/GEOL409X – Water Quality (4)
GEOG 368 – Climate Change: Science, Impacts and Mitigation (3)
GEOG 256 - Maps and Mapping (3)

↓
Select one of the following humanities and social sciences courses (3)

ANTH 425 - Environment and Anthropology (3)
ANTH 432 - Nature and the Environment Across Cultures (3)
Select one of the following law/policy courses (3)
POLS 220 - Introduction to Public Policy (3)
POLS 324 – Politics of Environmental, Health, and Safety Regulation (3)

Emphasis 3. Human Experience (33-34)
Requirements outside Environmental Studies (15 credits)
Select one of the following humanities courses (3)
ENGL 400 - Literary Topics (3)
ENGL 360 – Literature and other disciplines (3)

Select one of the following social science courses (3)
ANTH 425 - Environment and Anthropology (3)
ECON 386 - Environmental Economics (3)
SOCI 364 - Environmental Sociology (3)

Select one of the following policy courses (3)
Select two of the following communication and writing courses (6)
COMS 355 - Media Writing (3)
COMS 419 - Political Communication in America (3)
COMS 304 – Introduction to Persuasion Theory (3)
COMS 362 – Intercultural Communication (3)
ENGL 308 - Technical Writing (3)
ENGL 303 - Writing Creative Nonfiction (3)
ENGL 400 - Literature and other disciplines (3)
ENGL 403 - Technical Editing (3)

Electives: (15) Students must select at least five of the following electives from at least four different departments in the social sciences and humanities.
Select at least two of the following social science courses (6)
ANTH 102 - Rise of Civilization (3)
ANTH 120 - Anthropology and Human Diversity (3)
ANTH 301 - American Culture (3)
ANTH 343/ENVS 343X – Extinction: Where the Wild Things Were (3)
ANTH 432 - Nature and the Environment Across Cultures (3)
ANTH 363 – Globalization and Corporate Cultures (3)
ANTH 410 - Archaeology of Africa (3)
ANTH 414 - Archaeology of Mesoamerica (3)
### SECTION A – Recorded for inclusion in the Undergraduate Catalog

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>ANTH 425</td>
<td>Environment and Anthropology</td>
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<tr>
<td>ANTH 427</td>
<td>Economic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 435/GEOG 435X</td>
<td>Space in Language and Culture</td>
<td>3</td>
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<tr>
<td>ANTH 438</td>
<td>Cultural Models: The Language of Culture</td>
<td>3</td>
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<td>ANTH 443</td>
<td>Human Adaptation and Variation</td>
<td>3</td>
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<tr>
<td>ANTH 444</td>
<td>Primate Ecology and Conservation</td>
<td>3</td>
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<tr>
<td>ANTH 445/BIOS 435X</td>
<td>Primate Evolution</td>
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<td>ANTH 466</td>
<td>Hunters-Gatherers and the Transition to Food Production</td>
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<td>ANTH 467</td>
<td>Applied Anthropology</td>
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<td>ANTH 491</td>
<td>Current Topics in Anthropology</td>
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<td>COMS 304</td>
<td>Introduction to Persuasion Theory</td>
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<td>COMS 361</td>
<td>Business and Professional Communication</td>
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<td>Intercultural Communication</td>
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<td>ECON 386</td>
<td>Environmental Economics</td>
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<td>GEOG 303</td>
<td>Water Resources and the Environment</td>
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<td>GEOG 359</td>
<td>Introduction to Geographic Information Systems</td>
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<td>GEOG 430</td>
<td>Population Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Land-use Planning</td>
<td>3</td>
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<tr>
<td>JOUR 360</td>
<td>Public Relations Writing</td>
<td>3</td>
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<tr>
<td>JOUR 435/COMS 435X</td>
<td>Advanced Public Relations</td>
<td>3</td>
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<td>POLS 306</td>
<td>The Mass Media in American Politics</td>
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Select at least two of the following humanities courses (6)

<table>
<thead>
<tr>
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<tr>
<td>HIST 377</td>
<td>American Environmental History</td>
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<tr>
<td>HIST 386</td>
<td>History of Human Rights</td>
<td>3</td>
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<tr>
<td>HIST 465</td>
<td>Industrial America: 1877-1901</td>
<td>3</td>
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<td>PHIL 361</td>
<td>Social and Political Philosophy</td>
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<tr>
<td>PHIL 362</td>
<td>Philosophy of Law</td>
<td>3</td>
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<tr>
<td>PHIL 331</td>
<td>Ethics</td>
<td>3</td>
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<tr>
<td>PHIL 430</td>
<td>Topics in Ethics</td>
<td>3</td>
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<tr>
<td>PHIL 450</td>
<td>Topics in Social and Political Philosophy</td>
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<tr>
<td>WOMS 430</td>
<td>Special Topics in Women’s Studies</td>
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<tr>
<td>WOMS 432</td>
<td>Feminist Theory</td>
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</table>

Select one of the following science, engineering, and technology courses (3-4)

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOS 106</td>
<td>Environmental Biology</td>
<td>3</td>
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<tr>
<td>BIOS 406</td>
<td>Conservation Biology</td>
<td>4</td>
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<tr>
<td>CHEM 100</td>
<td>Chemistry in Everyday Life</td>
<td>3</td>
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<tr>
<td>ENVS 409/BIOS 409X/GEOL 409X</td>
<td>Water Quality</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 253</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
</tbody>
</table>
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GEOG 303 - Water Resources and the Environment (3)
GEOG 368 - Climate Change: Science, Impacts and Mitigation (3)
GEOG 455 - Land Use Planning (3)
GEOL 105 - Environmental Geology (3)
GEOL 320 - Environments and Life through Time (4)
OR
GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology (4)
MEE 101 - Energy and the Environment (3)
PHYS 140 - Physics and Society (3)
TECH 245 - Pollution, Pestilence, Prevention and the Cost of Doing Business (3)

Emphasis 4. Environmental Policy (30-40)

Requirements outside Environmental Studies (9)
Select one of the following Policy courses (3)
Select one of the following social science courses (3)
ANTH 425 - Environment and Anthropology (3)
ANTH 432 - Nature and the Environment Across Cultures (3)
ECON 386 - Environmental Economics (3)
SOCI 364 - Environmental Sociology (3)
SOCI 441 - The Urban Community (3)
Select one of the following Humanities courses (3)
Electives: (21-22)
Select at least two of the following Policy courses (6-9)
ECON 386 - Environmental Economics (3)
POLS 302 - Government in Metropolitan Areas (3)
Select at least two of the following Social Science Communication and Writing courses (6-9)
COMS 361 - Business and Professional Communication (3)
COMS 419 - Political Communication in America (3)
COMS 304 - Introduction to Persuasion Theory (3)
COMS 361 - Business and Professional Communication (3)
COMS 362 - Intercultural Communication (3)
ECON 386 - Environmental Economics (3)
ENGL 303 - Writing Creative Nonfiction (3)
ENGL 308 - Technical Writing (3)
ENGL 403 - Technical Editing (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

JOUR 335 - Principles of Public Relations (3)
JOUR 360 - Public Relations Writing (3)
SOCI 364 - Environmental Sociology (3)
SOCL 441 - The Urban Community (3)

Select at least two the following Humanities courses (6-9)

PHIL 362 - Philosophy of Law (3)
ANTH 314 / ENVS 314X - Domesticating the Planet
HIST 398 / ENVS 398X - Environment Change and Early Globalization (3)
WOMS 432 - Feminist Theory (3)
PHIL 331 - Ethics (3)
PHIL 430 - Topics in Ethics (3)
PHIL 450 - Topics in Social and Political Philosophy (3)
WOMS 432 - Feminist Theory (3)

Select one of the following science, engineering, and technology courses (3-4)

BIOS 106 - Environmental Biology (3)
BIOS 406 - Conservation Biology (4)
CHEM 100 - Chemistry in Everyday Life (3)
ENVS 409 / BIOS 409X / GEOL 409X - Water Quality (4)
GEOG 253 - Environment and Society (3)
GEOG 303 - Water Resources and the Environment (3)
GEOG 368 - Climate Change: Science, Impacts and Mitigation (3)
GEOG 455 - Land Use Planning (3)
GEOL 105 - Environmental Geology (3)
GEOL 320 - Environments and Life through Time (4) OR
GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology (4)
PHYS 140 - Physics and Society (3)
MEE 101 - Energy and the Environment (3)
TECH 245 - Pollution, Pestilence, Prevention and the Cost of Doing Business (3)
ENVS 409 / BIOS 409X / GEOL 409X - Water Quality (4)
GEOG 368 - Climate Change: Science, Impacts and Mitigation (3)
GEOG 415 / ENVS 415X - Introduction to Energy (3)

Emphasis 5. Non-Government Organization (33-34)

Requirements outside Environmental Studies (22-9)

CLCE 100 - Introduction to Public Service (3)
CLCE 300 - Nonprofits and Community Engagement (3)
CLCE 400 - Community Engagement (3)
ANTH 329 - Anthropology and Contemporary World Problems (3)
ANTH 467 - Applied Anthropology (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

POLS 326/PSPA 326X - Nonprofit Management (3)
PSPA 201 - Public Service Leadership (3)
PSPA 401 - Philanthropy and Volunteerism (3)
PSPA 402/MGMT 402X - Resource Strategies for Nonprofit Organizations (3)
COMS 362 - Intercultural Communication (3)

Select three of the following foundation courses (9)
- ANTH 329 - Anthropology and Contemporary World Problems (3)
- ANTH 467 - Applied Anthropology (3)
- COMS 362 - Intercultural Communication (3)
- POLS 326/PSPA 326X - Nonprofit Management (3)
- PSPA 201 - Public Service Leadership (3)
- PSPA 401 - Philanthropy and Volunteerism (3)
- PSPA 402/MGMT 402X - Resource Strategies for Nonprofit Organizations (3)
- COMS 362 - Intercultural Communication (3)

Select at least two of the following communication and writing courses (6)
- COMS 304 - Introduction to Persuasion Theory (3)
- COMS 361 - Business and Professional Communication (3)
- COMS 362 - Intercultural Communication (3)
- COMS 419 - Political Communication in America (3)
- ENGL 303 - Writing Creative Nonfiction (3)
- ENGL 308 - Technical Writing (3)
- ENGL 493 - Technical Editing Writing Creative Nonfiction II (3)

Select one of the following science, engineering, and technology courses (3-4)
- GEOG 455 - Land Use Planning (3)
- GEOG 415/ENVS 415X - Introduction to Energy (3)
- GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology (4)
- MEE 101 - Energy and the Environment (3)
- ENVS 409/BIOS 398X/GEOL 409X - Water Quality (4)
- GEG 308 - Climate Change: Science, Impacts and Mitigation (3)
- TECH 245 - Pollution, Pestilence, Prevention and the Cost of Doing Business (3)

Select one of the following humanities and social sciences courses (3-6)
- HIST 398/ENVS 398X - Environment Change and Early Globalization (3)
- ANTH 343/ENVS 343X - Extinction: Where the Wild Things Were (3)
- ANTH 432 - Nature and the Environment Across Cultures

Emphasis 6. Water (33-37)
Requirements outside Environmental Studies (9)
- GEOG 303 - Water Resources and the Environment (3)
- GEOG 492/GEOL 492X - Hydrology (3)
- GEOL 390 - Introduction to Groundwater (3)
- ENVS 409/BIOS 409X/GEOL 409X - Water Quality (4)
Select three of the following conceptually-based courses (9-11)
- ANTH 343/ENVS 343X - Extinction, Where the Wild Things Were (3)
- GEOG 492/GEOL 492X - Hydrology (3)
- BIOS 406 - Conservation Biology (4)
Select three of the following methods-based courses (9-11)
- CHEM 427/ENVS 427X - Environmental Chemistry (3)
- GEOG 302 - Soil Science (4)
- GEOL 477 - Field Methods in Environmental Geosciences (4)
- GEOL 320 - Environments and Life Through Time (4) OR
- GEOL 322 - Paleogeography, Paleoclimatology, Paleoecology (4)
- GEOG 368 - Climate Change: Science, Impacts and Mitigation (3)
- PHIE 351 - Elements of Environmental Health (3)
- GEOL 491 - Geophysical Well Logging (3)
Select one of the following engineering/technology-based courses (3)
- ISYE 421 - Introduction to Green Engineering (3)
- MEE 101 - Energy and the Environment (3)
- MEE 340 - Fluid Mechanics (3)
- TECH 245 - Pollution, Pestilence, Prevention and the Cost of Doing Business (3)
Select one of the following humanities and social sciences courses (3)
- SOCI 364 - Environmental Sociology (3)
- ANTH 432 - Nature and the Environment Across Cultures (3)
- ANTH 314/ENVS 314X - Domesticating the Planet
- HIST 395/ENVS 395X - Environment Change and Early Globalization (3)

Department of Foreign Languages and Literatures

All University Section

Other Graduation Requirements

Other Catalog Change: Page 39, 2011-12 Undergraduate Catalog
Other Graduation Requirements

Graduation Requirements

Foreign Language Requirements for the B.A. Degree
Candidates for the Bachelor of Arts degree must demonstrate competence in a foreign language equivalent to that attained in two years of college instruction. This requirement must be met by

Successful completion of one of the following sequences.

- **American Sign Language**: AHRS 101, AHRS 102, AHRS 201, AHRS 202
- **Thai**: FLTH 103, FLTH 104

Successful completion of FLST 181 and FLST 182, in the same language.

Four years of one foreign language with no grade lower than C at an accredited high school.

Exemption (no credit awarded) by

Course Deletions:

- FLFR 312. ADVANCED FRENCH CONVERSATION II (3).
- FLFR 485. INITIATION TO CONSECUTIVE TRANSLATION (3).

New Courses:

CIP: 16.99

- FLIS 499. HONORS INDEPENDENT STUDY (3). Independent research on a literary, cultural, or linguistic topic under the guidance of a faculty member, for students pursuing the B.A. degree with honors in foreign languages and literatures. Students must present a detailed outline of proposed research to the honors adviser for approval. PRQ: Three 400-level courses in the major language, senior status, and consent of department.

- FLST 281. INTERMEDIATE LANGUAGE INSTRUCTION I (3-5). Developing skills in listening, speaking, reading, and writing in a less commonly taught language at the intermediate level. PRQ: FLST 181 and FLST 182 in the same language, or consent of department.
FLST 282. INTERMEDIATE LANGUAGE INSTRUCTION II (3-5). Developing skills in listening, speaking, reading, and writing in a less commonly taught language at the intermediate level. PRQ: FLST 181, FLST 182, and FLST 281 in same language, or consent of department.

Course Revision: Undergraduate Catalog

FLFR 437. AUTHOR IN CONTEXT (3). Interdisciplinary study of … … philosophy, politics, etc.). PRQ: FLFR 321, FLFR 322 or FLFR 323, or consent of department.

Course Revision: Undergraduate Catalog

FLFR 446. STUDIES IN FRENCH GENRES (3). Focus on major genres … … short narratives. PRQ: FLFR 301 or FLFR 302, and FLFR 311; FLFR 321, FLFR 322 or FLFR 323, or consent of department.

Course Revision: Undergraduate Catalog

FLFR 480. FRENCH PUBLISHING ATELIER (3). Writing course focused … … and select materials for publication. PRQ: FLFR 301 and FLFR 311, or consent of department.

Course Revision: Undergraduate Catalog

FLJA 362. INTRODUCTION TO JAPANESE CULTURE (3). … …

Course Revisions: Undergraduate Catalog

FLBU 203. INTERMEDIATE BURMESE I (3-5). … …

FLBU 204. INTERMEDIATE BURMESE II (3-5). Developing skills in listening, speaking, reading, and writing. PRQ: FLBU 203 or consent of department.

Course Revisions: Undergraduate Catalog

FLST 181. ELEMENTARY LANGUAGE INSTRUCTION I (3-5). … …

FLST 182. ELEMENTARY LANGUAGE INSTRUCTION II (3-5). … …

Other Catalog Change: Undergraduate Catalog

Major in French (B.A.)

↓

Emphasis 1. Language and Literature
SECTION A – Recorded for inclusion in the Undergraduate Catalog

Requirements in Department (49)

- FLFR 411 – Advanced Composition in French (3)
- FLFR 415 – Advanced French Conversation (3)
- FLFR 481 – French Phonetics and Phonemics (3)

Emphasis 2. Translation and Business

Requirements in Department (46) (43)

- FLFR 311 – French Conversation (3)
- FLFR 312 – Advanced French Conversation II (3)
- FLFR 320 – Analyse de Texte (3)
- FLFR 321 – Masterpieces of French Literature I (3)
- OR FLFR 322 – Masterpieces of French Literature II (3)
- OR FLFR 323 – Special Topics in French Language, Literature or Culture (3)
- FLFR 412 – Commercial French (3)
- FLFR 415 – Advanced French Conversation (3)

Requirements outside Department (45) (18)

- ANTH 363 – Globalization and Corporate Cultures (3)

Total Hours for Emphasis 2, Translation and Business French: 61

Other Catalog Change: Undergraduate Catalog

Teacher Certification

Procedures

Obtain approval of the departmental coordinator of teacher development for admission to teacher certification. Applicants to the French and German teacher certification programs must earn at least a grade of B in FLFR 302 or FLGE 302, respectively, to qualify for admission. Applicants in German and Spanish must earn at least a grade of B in FLGE 301 or FLSP 301, respectively, to qualify.

Consult each semester with the division coordinator for courses in the specific language major.

Retention

Students are responsible not only for meeting the requirements of the degree program, but also the
certification program and the requirements for a teaching certificate as set by the Illinois State Board of Education (ISBE).

Requirements outside Department

For French majors: ARTH 292 – Art History Survey II: From ca. 1400 (3), OR ARTH 293 – Art History Survey III: From 1700 (3), and HIST 312….

For German majors: ARTH 292 – Art History Survey II: From ca. 1400 (3), OR ARTH 293 – Art History Survey III: From 1700 (3), and HIST 313….

For Spanish majors: ARTH 292 – Art History Survey II: From ca. 1400 (3), OR ARTH 293 – Art History Survey III: From 1700 (3), OR ARTH 376 – Latin American Art (3), and HIST 315….

Other Catalog Change: Undergraduate Catalog

Degree with Honors

Honors in foreign languages and literatures requires the completion of a minimum of 3 hours of FLIS 482H, Honors Independent Study (3), which must be taken in the senior year and the maintenance of an overall minimum GPA of 3.00 and a GPA of 3.50 or above in the major.

Other Catalog Change: Undergraduate Catalog

Minor in Chinese Studies

Two of the following…

ARTH 320A – Far Eastern Art: China (3)
ECON 341A - Economic Area Studies: Asia (3)
HIST 492H – Special Topics in History: Asian (3)

MUSC MUHL 432 – Music of China (3)

Other Catalog Change: Undergraduate Catalog

Minor in Italian

Three hours from the following may be selected to substitute for either FLIT 301 or FLIT 311: ARTH 293, ARTH 306, ENGL 318, OR ENGL 483 (3).

Other Catalog Change: Undergraduate Catalog
Minor in Japanese Studies

FLJA 362 – Introduction to Japanese Culture (3)

Two of the following …

ARTH 379B – Far Eastern Art: Japan (3)
ECON 341A – Economic Area Studies: Asia (3)
HIST 4980 – Special Topics in History: Asian (3)

Department of Geography

New Courses

CIP code: 45.07

150. INTRODUCTION TO GEOMATICS (3). Introduction to geomatics and the basic concepts, theories, and principles pertaining to land surveying. Origins of the land surveying profession and the history and role of land surveying in the U.S. Introduction to surveying equipment and methods, the types of surveys performed by a land surveyor, and the relationship of surveying to other mapping sciences. Basic techniques and computations for measuring land characteristics, including distance, direction, elevation and area. Lecture, laboratory and field experience.

250. CIVIL SURVEYING (4). Elements of civil and engineering projects as they relate to land surveying. Planning and methods of data acquisition for topographic and landscape surveys. Elements and interpretation of engineering site plans in relation to the surveying needs. Use of imagery and 3-D scanning technologies. Surveying principles and practices for roadway, utility, and building layout. Lecture, laboratory and field experience. PRQ. GEOG 150.


450. LEGAL ASPECTS OF GEOMATICS AND LAND SURVEYING (3). Standards of practice and conduct for legal surveys. Rights, liabilities, responsibilities and professional ethics for Professional Land
Surveyors. Common and statutory law as it pertains to land and land ownership. Varying methods and types of conveyances and title. Types and uses for evidence in litigation of legal surveys and land boundaries. PRQ: GEOG 350.


475. GEOMATICS PLANNING AND COMPUTATION (3). Techniques and procedures for using information gathered during field work. Using previously collected field data in preparation of topographic maps. Preparing construction documents for field crews relating to civil or engineering project design. Interpreting subdivision documents for boundary analysis. Application of land survey theory to boundary analysis within a subdivision and the U.S. Public Land Survey System. Lecture and laboratory. PRQ: GEOG 350, GEOG 450.

Course Revision Undergraduate Catalog

391. INTERNSHIP (1-6).

K. Mapping/Geovisualization
M. Geomatics/Surveying

Course Revision Undergraduate Catalog

432. GEOGRAPHY OF HEALTH (3). Geographic dimensions … … data will also be examined. Lecture and laboratory.

Course Revision Undergraduate Catalog

460. REMOTE SENSING OF THE ENVIRONMENT (3). Introduction to the principles of acquiring and interpreting data from remote sensing systems. Extraction of the earth resource, meteorological, and environmental change information through image processing techniques and applications of satellite, LIDAR, and radar remote sensing in earth and atmospheric sciences. Use of remote sensing for mapping, measuring, and detecting atmospheric motion and weather systems, and assessing environmental change. Lecture and laboratory, and field experience. PRQ: MATH 210 or MATH 211 or MATH 229.
SECTION A – Recorded for inclusion in the Undergraduate Catalog

409X. WATER QUALITY (4). Crosslisted as BIOS 409X, ENVS 409, and PHHE 409X.

Department of History

New Courses

CIP: 54.01

362. THE HUNT FOR "UN-AMERICANS" IN U.S. HISTORY (3). Examination of forces in U.S. society that initiated repression of rights and surveillance campaigns against those deemed "un-American" threats to U.S. society. Topics include immigration, labor, and race panics; wars of the 20th century and the construction of the surveillance state; repression of protest movements; response to 9/11.

373. STRIKES, RIOTS, AND UPRISINGS IN U.S. HISTORY (3). Focus on selected strikes, riots, insurrections in U.S. History. Topics vary by semester. Content of Explorations of the meanings of specific events to understand the role of conflict in American life, their causes, and long-term significance.

386. HISTORY OF HUMAN RIGHTS (3). Historical emergence and evolution of “human rights” as idea, aspiration, and socio-political practice. Focus on debates about origins of human rights; whether it expresses Western or universal values; development of human rights advocacy; and roles played by states, non-governmental organizations, individuals, and the media in globalization of human rights over the past two centuries.

453. HISTORY OF NORTHERN IRELAND (3). History of Northern Ireland from 1920 to the present, with particular attention to the origins, nature, and legacies of the so-called Irish Troubles.

487. THE LATIN AMERICAN CITY (3). Urbanization and urban life in Latin America from colonial times to the present, with an emphasis on rapid rural-to-urban migration in the twentieth century and the rise of mega-cities.

Course Revision

492 494. ORAL HISTORY (3). …

Course Revision

498 490. SPECIAL TOPICS IN HISTORY (3). …

Other Catalog Change

Major in History (B.A. or B.S.)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

\[\text{Group A: (\ldots \text{HIST 459, HIST 498A, 498B, 490A, 490B})}\]
\[\text{Group B: (\ldots \text{HIST 383, 386, 387, 486, 487, 498A, 490A, 490B, 490E, 490F})}\]
\[\text{Group C: (\ldots \text{HIST 452, 453, 454, 498C, 490C, 490D, 490E, 490F, 490M})}\]

Minor in History (18)

Course work from the following (6-12)

- HIST 110 – Western Civilization to 1500 (3)
- HIST 141 – Asia Since 1500 (3)
- HIST 170 – World History I: Problems in the Human Past (3)

Department of Mathematical Sciences

Emphasis 5. Mathematics Education

Successful completion of the emphasis in mathematics education leads to certification to teach at the 6-12 grade levels. To be certified to teach secondary school mathematics (grades 6 through 12), the Illinois State Board of Education requires that students must have passed all the MATH/STAT and professional education courses applicable to their major (Mathematics Education emphasis at NIU) with a grade no lower than C or its equivalent. In addition to the course work and certification requirements in the Department of Mathematical Sciences, students must complete other course work and certification.
requirements outside the department. A minor which that includes a teaching endorsement in a teaching area outside of mathematics is highly desirable to enhance placement opportunities. All students Students who wish to pursue the emphasis in mathematics education and to seek teacher certification should consult with an adviser in the Department of Mathematical Sciences before enrolling in ILAS 204. Transfer and postbaccalaureate students should see an adviser in the Department of Mathematical Sciences on arrival. Graduate students majoring in the mathematical sciences, graduate students majoring in secondary education, and students-at-large should consult the Graduate Catalog.

Other Catalog Change: Undergraduate Catalog

Mathematical Sciences (B.S.)

Emphasis 5. Mathematics Education

Special Departmental Requirements for Certification

Apply for admission to teacher certification in the Department of Mathematical Sciences. This is usually done three semesters prior to the semester of student teaching.

Pass all areas of the Basic Skills Test of the Illinois Certification Testing System in order to be formally admitted to the teacher certification program. This should be accomplished before taking MATH 112 enrolling in ILAS 301. The Mathematics Content Area Test of the Illinois Certification Testing System must be completed before the beginning of student teaching (MATH 113) passed before enrolling in MATH 301 and MATH 412. An informational booklet Information about the test and registration materials for the test can be obtained from the Office of Testing Services, Illinois State Board of Education.

Obtain departmental approval for admission to teacher certification. This is normally done through a conference with the coordinator of teacher certification in mathematics two semesters prior to the semester of student teaching. Departmental consent must be given in the absence of this conference.

Requirements outside Department (26-32)

Professional education requirements (23-28)

Clinical experiences and student teaching (11-16). For Illinois certification students must complete 100 130 clock hours of clinical experiences prior to student teaching. The requirement may be satisfied by completing the following sequence of courses.

Exit Examination

All students Students seeking certification must pass the Illinois certification examination Assessment of
Committee on the Undergraduate Curriculum (CUC)

Third Meeting/2011-12 Academic Year
November 10, 2011

SECTION A – Recorded for inclusion in the Undergraduate Catalog

Professional Teaching Test. Information about this test may be obtained from the Office of Testing Services, Illinois State Board of Education.

Footnotes

1 Undergraduates must consult with the coordinator of teacher certification in mathematics about admission to ILAS 201 at the beginning of the second semester of their sophomore year. Students are eligible to enroll in ILAS 201 after passing MATH 230 with a grade no lower than C or its equivalent. Postbaccalaureate students should consult with the coordinator of teacher certification in mathematics upon arrival.

Non-governmental Organization Leadership and Development Center

New Courses

CLCE 350. COMMUNITY ORGANIZATIONS IN A DIGITAL WORLD (3). Examines digital and online efforts of community organizations to build community leadership and civic engagement. Focus on how technological applications may provide more effective and efficient pathways for community organizations to communicate with their stakeholders and reach their strategic goals including the use of social media.

CIP: 52.02

CLCE 390. SPECIAL TOPICS IN COMMUNITY LEADERSHIP AND CIVIC ENGAGEMENT (3). Intensive study of a major theory, issue or movement in community leadership and civic engagement. May be repeated provided no repetition in topics occurs. For CLCE community leadership and civic engagement majors, no more than 6 credits will count for the major.

CLCE 490. CIVIC ENGAGEMENT INTERNSHIP (1-3). Supervised internship in civic engagement via placement in a community setting. Writing assignments and reflection activities required. Open to CLCE majors only. May be taken up to 6 credits. S/U grading. PRQ: CLCE 100 and consent of Center.

CLCE 498. INDEPENDENT STUDY IN COMMUNITY LEADERSHIP AND CIVIC ENGAGEMENT (1-3). Special readings and/or research projects in Community leadership and Civic engagement. May be repeated to a maximum of 6 semester hours. PRQ: Consent of Center.

CLCE 499. CAPSTONE SEMINAR IN COMMUNITY LEADERSHIP AND CIVIC ENGAGEMENT (3). Intensive case study, research paper or other scholarly work in Community leadership and Civic engagement. Includes regular meetings and a formal presentation of results at completion. Serves as final capstone project in the major. Majors only; must also be enrolled in, or have already completed, CLCE 490. PRQ: CLCE 100 and consent of Center.
Other Catalog Change

Non-Governmental Organization Leadership and Development Center (NGOLD)
Director: Judith Hermanson

CLCE Community Leadership and Civic Engagement Faculty
Nancy M. Castle, Ph.D., Northern Illinois University, professor
Judith Hermanson, Ph.D., George Washington University, associate professor

Other Catalog Change

Requirements in Department (6-13-15)
CLCE 100 – Introduction to Public Service (3)
CLCE 300 – Nonprofits and Community Engagement (3)
CLCE 400 – Community Engagement (3)
CLCE 490 – Civic Engagement Internship (1-3)
CLCE 499 – Capstone Seminar in Community Leadership and Civic Engagement (3)

Requirements outside Department (B.A. 39-51; B.S. 46-51)
ANTH 220 – Introduction to Cultural Anthropology (3)
ANTH 329 – Anthropology and Contemporary World Problems (3)
ANTH 467 – Applied Anthropology (3)
COMS 220 – Rhetoric and Public Issues (3)
COMS 362 – Intercultural Communication (3)
ECON 260 – Principles of Microeconomics (3)
ECON 261 – Principles of Macroeconomics (3)
MGMT 217 – Legal Environment of Business (3)
POLS 150 – Democracy in America (3)
PSPA 201 – Public Service Leadership (3)

For the B.A. degree
Fulfillment of foreign language requirement (0-12) (See "Foreign Language Requirement for the B.A. Degree.")
Coursework in foreign literature or culture approved by major advisor (3).

For the B.E. degree
Laboratory science/mathematical/computational skills sequence (10-15) (See "College-Requirement for the B.E. Degree.")

Emphasis 1. Advocacy
Emphasis 2. Arts and Humanities

Emphasis 3. Enterprise
Requirements outside Department (15-18)
ECON 260 – Principles of Microeconomics (3)
ECON 261 – Principles of Macroeconomics (3)

Five of the following, from at least four different departments (15-18)
ACCY 288 – Fundamentals of Accounting (3)
HIST 486 – Poverty and Progress in Latin America (3)
MGMT 217 – Legal Environment of Business (3)
MGMT 311 – Social Entrepreneurship (3)

Emphasis 4. Environmental
Requirements outside Department (15-18)
ECON 260 – Principles of Microeconomics (3)
ECON 261 – Principles of Macroeconomics (3)

Five of the following, from at least four different departments (15-18)
Option A
ANTH 425 – Environment and Anthropology (3)
SOCI 364 – Environmental Sociology (3)

Option B
ENVS 301 – Environmental Science I: Physical Systems (3)
ENVS 302 – Environmental Science II: Biological Systems (3)
ENVS 303 – Environment in the Social Sciences and Humanities (3)
ENVS 305 – Environmental Law, Policy, and Economics (3)

Emphasis 5. Global
Requirements outside Department (15-18)
ECON 260 – Principles of Microeconomics (3)
ECON 261 – Principles of Macroeconomics (3)

Five of the following, from at least four different departments (15-18)
ANTH 363 – Globalization and Corporate Cultures (3)
### SECTION A – Recorded for inclusion in the Undergraduate Catalog

- ANTH 426 – Political Anthropology (3)
- ANTH 427 – Economic Anthropology (3)
- ANTH 467 – Applied Anthropology (3)
- COMS 362 – Intercultural Communication (3)
- COMS 454 – Transnational Communication and Media (3)
- ECON 330 – International Economics (3)
- GEOG 202 – World Regional Geography (3)
- JOUR 482 – International News Communications (3)
- JOUR 490 – Ethnic Minorities and the News Media (3)
- MKTG 367 – Principles of Global Marketing (3)
- POLS 386 – Global Terrorism (3)
- SOCI 457 – Families in a Global Perspective (3)

| Approved Course work in comparative politics approved by major advisor (3) |
| Approved Course work in non-United States history approved by major advisor (3) |

**Total Hours for a Major in Community Leadership and Civic Engagement:** **45-66 58-75** (B.A.) **OR** **52-66 65-75** (B.S.)

### Department of Physics

**Course Revisions**

140. **PHYSICS AND SOCIETY (3).** Energy sources and pollution (conventional and nuclear); energy from outer space and atmospheric neutrons; the supersonic transport controversy; sonic boom, radiation hazards, weather disturbances; power for transportation; physics and weapons (e.g., atomic bombs and antiballistic missiles); tornadoes and weather control; physics in medicine, radioactive tracers, medical instruments from physics; social impact of the transistor, the LASER. Two lectures and one seminar-laboratory per week. Application of the fundamental principles of physics such as mechanics, heat, waves, light and optics, or modern physics, to contemporary issues facing society, and discussion of their implications. Topics will be selected depending on current events and concerns, and may include energy sources, nuclear weapons, medical physics, and identifying pseudoscience, among others.

210. **GENERAL PHYSICS I (4).** First semester of a two-semester sequence covering mechanics, heat, and sound. Includes lecture and laboratory sessions. Not available for credit to students with credit in PHYS 250, PHYS 250A, or PHYS 253. PRQ: MATH 155 or equivalent or CRQ: MATH 229.

GEC approved 12/1/11

335. **BIOPHYSICS (3).** Application of basic … … medicine and biology. PRQ: BIOS 209, MATH 230, and PHYS 211 or PHYS 251 or PHYS 251A or PHYS 273.

374. **INTRODUCTION TO EXPERIMENTAL PHYSICS (3).** Selected experiments … … laboratory a
SECTION A – Recorded for inclusion in the Undergraduate Catalog

PRQ: PHYS 261 or PHYS 262 or PHYS 284. CRQ: PHYS 383.

460. QUANTUM PHYSICS (3). Schrödinger wave … … hydrogen-like atoms. PRQ: PHYS 300, and PHYS 370, and PHYS 383.

Department of Political Science

New Courses

CIP: 44.04

Comparative Politics

363. DICTATORSHIPS AND DEMOCRACIES (3). The course examines a range of approaches to studying democracy and authoritarianism across the world, including those, which emphasize political culture, economic growth and crisis, political elites, class conflict, civil society and globalization. Case studies may focus on specific regions of the world.

365. ORIGINS OF POLITICAL ORDER (3). A comparative examination of the process of state formation and the character of state-society relations across the world. In examining different regions, the course will draw upon and seek to contribute to theoretical understandings of how states are constructed and how they relate across time and space—with various social forces. Case studies may focus on specific regions of the world.

377. REVOLT, REVOLUTION AND GENOCIDE (3). Comparative analysis of revolts, revolutions and genocide examining such questions as the failure and success of revolts and revolutions in bringing about democracy; the role modern communications play in revolts and revolutions; the links between revolts, revolutions and genocide; and the role of the international community in preventing and redressing incidents of genocide.

378. POLITICAL ISLAM (3). Analysis of various political and social phenomena in the Muslim-dominant nations including Islamic movements, religious parties, Islam and democracy, Islamic courts and laws, women's rights, religious radicalism and violence.

Other Catalog Change

Requirement for acceptance for transfer students:
Transfer students must meet the following three criteria for acceptance into the honors program:

1) Students must complete at least 15 semester hours at NIU, including two 300- or 400-level political science courses. Students must earn a cumulative GPA of at least 3.70 in those courses. 2) Students must
obtain a letter of nomination from one political science tenured or tenure-track faculty member. The letter of nomination should be sent to the department’s director of undergraduate studies. The letter must be received no later than March of the student’s junior year. 3) Students must be approved for the honors program by the department’s undergraduate committee.

Requirements to Graduate with Honors:
In addition to all degree requirements, students must complete three requirements to graduate with honors in political science:

1) Complete at least 3 semester hours of POLS 491
2) Complete at least 3 semester hours of 496
3) Complete 1 semester hour of POLS 497 during fall semester.
4) Complete 4 3 semester hours of POLS 499H during spring semester. The honors thesis must be approved by the student’s thesis director and a faculty member appointed by the director of undergraduate studies.

Students must maintain a GPA of at least 3.70 both in the major and cumulative to graduate with honors. Students who fail to receive at least a B in POLS 491, POLS 497, and POLS 499H and a S in POLS 491 will not graduate with honors. Students are expected to present their honors thesis at the annual Undergraduate Research and Artistry Day held in April.

Withdrawal from the program:
Students may choose to withdraw from the honors program at any time. If students are taking POLS 491, POLS 496H, POLS 497, or POLS 499H when they decide to withdraw, they must either complete that course or drop it. If students choose to drop the course, they must do so before the university deadline for course withdrawal.

Department of Sociology

New Course

Undergraduate Catalog

CIP: 45.11

395. CONTEMPORARY TOPICS IN SOCIOLOGY (3). Selected topics in the analysis of contemporary social phenomena. Topics vary each semester. May be taken a total of three times as topic changes. Enrollment in multiple sections of SOCI 395 in a semester is permitted. PRQ: SOCI 170 or consent of department.

Course Revision

Undergraduate Catalog

377A. SOCIOLOGICAL INQUIRY I (4). …….
SECTION A – Recorded for inclusion in the Undergraduate Catalog

Other Catalog Change: Undergraduate Catalog

Sociology (B.A. or B.S.)
Requirements in Department (37, 38)
↓
SOCI 377A – Sociological Inquiry I (3)

Other Catalog Change: Undergraduate Catalog

Minor in Sociology (48-19)
↓
SOCI 377A – Sociological Inquiry I (3)
↓
A minimum of 6 semester hours of electives in sociology chosen in consultation with faculty advisor.

COLLEGE OF VISUAL AND PERFORMING ARTS

All University Change

Limited Admissions and Limited Retention Requirements

Other Catalog Change: Page 28, 2011-12 Undergraduate Catalog

Visual Communication Area of Study
(School of Art)
All applicants must be admitted to the university and have a minimum overall GPA of 2.50 on a 4.00 scale, including transfer courses. In addition, prior to taking ARTD 201, students must have completed the following courses with a minimum GPA of 2.50:
ART 100, Drawing Foundation I (3)
ART 102, 2-D Foundation (3)

School of Art

Course Deletions: Page 307-308, 2011-12 Undergraduate Catalog

ARTD 213. BEGINNING VISUAL COMMUNICATION I (3)
ARTD 214. BEGINNING VISUAL COMMUNICATION II (3)
ARTD 218. INTRODUCTION TO VISUAL COMMUNICATION THEORY (3)
ARTD 267. INTRODUCTION TO VIDEO ART (3)
ARTD 316. PACKAGE DESIGN I (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ARTD 317. EXHIBIT DESIGN (3)
ARTD 367. INTERACTIVE ART (3)
ARTD 369. AUDIO ART (3)
ARTD 375. SPECIAL TOPICS IN TIME ARTS (3)
ARTD 410. STUDIES IN INTERACTIVE MEDIA (3)

Course deletions:

ARTH 288. MODERN ART AND FILM (3)
ARTH 293. ART HISTORY SURVEY III: FROM 1700 (3)
ARTH 376. LATIN AMERICAN ART (3)
ARTH 377. ISLAMIC ART (3)
ARTH 378. INDIAN AND SOUTHEAST ASIAN ART (3)
ARTH 379A. FAR EASTERN ART: CHINA (3)
ARTH 379B. FAR EASTERN ART: JAPAN (3)
ARTH 381. HISTORY OF VISUAL COMMUNICATION (3)
ARTH 384. AFRICAN ART (3)
ARTH 385. PRE-COLUMBIAN ART (3)
ARTH 386. ART OF AFRICA, OCEANIA, AND THE AMERICAS (3)
ARTH 387A. ANCIENT ART I: EGYPT (3)
ARTH 387B. ANCIENT ART I: MESOPOTAMIA (3)
ARTH 388A. ANCIENT ART II: AEGEAN ART (3)
ARTH 388B. ANCIENT ART II: ARCHAIIC AND CLASSICAL ART (3)
ARTH 388C. ANCIENT ART II: HELLENISTIC ART (3)
ARTH 389A. ANCIENT ART III: ETRUSCAN AND EARLY ROMAN ART (3)
ARTH 389B. ANCIENT ART III: ROMAN IMPERIAL ART (3)
ARTH 390A. EARLY CHRISTIAN AND EARLY BYZANTINE ART: 330-843 (3)
ARTH 390B. MIDDLE AND LATE BYZANTINE ART: CA. 843-1453 (3)
ARTH 391A. EARLY MEDIEVAL ART: CA. 500-1000 (3)
ARTH 391B. ROMANESQUE AND GOTHIC ART (3)
ARTH 392A. NORTHERN RENAISSANCE ART I (3)
ARTH 392B. NORTHERN RENAISSANCE ART II (3)
ARTH 393. ITALIAN EARLY RENAISSANCE ART (3)
ARTH 394. BAROQUE AND ROCOCO ART (3)
ARTH 395. 19TH CENTURY ART (3)
ARTH 396. ITALIAN HIGH RENAISSANCE ART (3)
ARTH 397. AMERICAN ART (3)
ARTH 398. 20TH CENTURY ART (3)
ARTH 476. ART OF THE EASTERN MEDITERRANEAN AND ANATOLIA (3)
ARTH 487. SOUTHEAST ASIAN ART (3)
ARTH 491. HISTORY OF PRINTS AND GRAPHIC PROCESSES (3)
ARTH 492. CONTEMPORARY ART (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ARTh 493. HISTORY OF ARCHITECTURE III: FROM 1900 (3)
ARTh 496. DESIGN AND THE DECORATIVE ARTS (3)
ARTh 497. HISTORY OF ARCHITECTURE I: to 1400 (3)
ARTh 498. HISTORY OF ARCHITECTURE II: 1400-1900 (3)

GEC 12/1/11 approved the deletion of the above courses that are in the General Education program

Course deletions: Page 310-311, 2011-12 Undergraduate Catalog

ARTS 201. INTERMEDIATE LIFE DRAWING (3)
ARTS 301. DRAWING COMPOSITION AND TECHNIQUES (3)
ARTS 305. DRAWING MATERIALS AND METHODS (3)
ARTS 325. PAINTING III (3)
ARTS 329. WATERBASED PAINTING III (3)
ARTS 363. INTERMEDIATE SCULPTURE I (3)
ARTS 364. INTERMEDIATE SCULPTURE II (3)
ARTS 401. ADVANCED DRAWING II (3)
ARTS 422. WATERBASED PAINTING IV (3 or 6)
ARTS 424. ATELIER DRAWING
ARTS 437B. INTERMEDIATE ILLUSTRATION II (3)
ARTS 438B. ADVANCED ILLUSTRATION II (3)
ARTS 462. ADVANCED SCULPTURE II (3)

New courses: Page 307, 2011-12 Undergraduate Catalog

CIP CODE: 50.0701

ART 106. ART MAKING, MATERIALS, AND METHODS FOR NON-ART MAJORS (3).
Introduction to art skills and concepts through the production of two-dimensional works for non-art majors. Demonstrations and analyses of medium techniques and guided practice in the design, production, and appreciation of art works. Student-centered projects that emphasize individual development. May be repeated for a maximum of 6 semester hours.

ART 108. BASIC DRAWING FOR NON-ART MAJORS (3). Introduction to drawing for non-art majors. Emphasis on descriptive and expressive means of representation. Study of the formal and expressive aspects of line and value, and traditional genres of art-making including portrait, landscape, still life, and narrative compositions with variety of wet and dry media.


ARTD 320. MOTION GRAPHIC DESIGN (4). Introduction to aspects of motion graphic design; history, aesthetic issues, and technical parameters of motion graphic development.
ARTD 475. TIME ARTS: SPECIAL TOPICS (4). Concentrated study in time arts and electronic media. Topics announced.

ARTE 200. STUDIO FOUNDATIONS FOR ART AND DESIGN EDUCATORS (3). Exploration of 2-D studio media appropriate for K-12 environment, studio pedagogy, and development of technical skills in the representation and interpretation of subjects. Portfolio preparation for art and design education pre-service teachers. Studio and lecture. PRQ: ART 100, ART 103.

New courses: Page 309, 2011-12 Undergraduate Catalog

CIP CODE: 50.0703

ARTH 310. STUDIES IN ANCIENT AND MIDDLE-EASTERN ART (3). Rotating topics include Egypt, Mesopotamia, Aegean Art, Archaic and Classical Art, Hellenistic Art, Etruscan and Early Roman Art, Roman Imperial Art, Islamic Art. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 320. STUDIES IN MEDIEVAL ART (3). Rotating topics include Early Christian and Early Byzantine Art: 330-843, Middle and Late Byzantine Art: ca. 843-1453, Early Medieval Art: ca. 500-1000, Romanesque and Gothic Art. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 330. STUDIES IN EARLY MODERN EUROPEAN ART (3). Rotating topics include Early Italian Renaissance Art, Early Northern Renaissance Art, 16th Century Italian Art, 16th Century Northern European Art, 17th and 18th Century European Art. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 340. STUDIES IN MODERN AND AMERICAN ART (3). Rotating topics include American Art, 19th Century Art, 20th Century Art. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 350. STUDIES IN CONTEMPORARY ART (3). Rotating topics include various aspects of contemporary art from 1970 to the present. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 360. STUDIES IN DESIGN (3). Rotating topics include 20th Century Architecture, Visual Communication, Design and Decorative Art. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 370. STUDIES IN ASIAN ART (3). Rotating topics include South and Southeast Asian Art, Southeast Asian Art, Chinese Art, Japanese Art, Islamic Art. May be repeated. Multiple enrollments are allowed in the same semester.
ARTH 380. STUDIES IN AFRICAN, OCEANIAN, NATIVE AMERICAN, PRE-COLUMBIAN ART, AND LATIN-AMERICAN ART (3). Rotating topics include Art of Africa, Oceania, and the Americas, Pre-Columbian Art, Latin American Art. May be repeated. Multiple enrollments are allowed in the same semester.

New courses: Page 310, 2011-12 Undergraduate Catalog

CIP CODE: 50.0703

ARTH 451. TOPICS IN ART HISTORY: ANCIENT AND MIDDLE-EASTERN ART (3). Various topics, such as Gender and Sexuality in Ancient Art, and Outsider Art, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 452. TOPICS IN ART HISTORY: MEDIEVAL ART (3). Various topics, including The Holy Image, The Art of Narrative in the Middle Ages, Imperial to Papal Rome, and The Art of the Medieval Book, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 453. TOPICS IN ART HISTORY: EARLY MODERN EUROPEAN ART (3). Various topics, such as Art and Science: Optics, Images, and Visual Propaganda, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 454. TOPICS IN ART HISTORY: MODERN AND AMERICAN ART (3). Various topics, such as The Duchamp Effect, Controversies in American Art, Modernist Groups, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 455. TOPICS IN ART HISTORY: COMTEMPORARY ART (3). Various topics, such as Photography as Art and Art as Photography, Globalization and Contemporary Art, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 456. TOPICS IN ART HISTORY: DESIGN (3). Various topics, such as Vienna 1900: Art and Culture at the Fin-de-Siècle, and Fashion-Modernism-Modernity, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 457. TOPICS IN ART HISTORY: ASIAN ART (3). Various topics such as, The Female in Japanese Art, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.

ARTH 458. TOPICS IN ART HISTORY: AFRICAN, OCEANIAN, NATIVE-AMERICAN, PRE-COLUMBIAN AND LATIN-AMERICAN ART (3). Various topics such as, Art, Ideology, and Empire: The Visual Culture of the Cultua-Mexica (Aztec) State, and Art and Architecture of the Ancient Maya, will be announced. May be repeated. Multiple enrollments are allowed in the same semester.
ARTD 201. INTRODUCTION TO VISUAL COMMUNICATION (3) (4) 
PRQ: ART 100 and ART 102 with a minimum cumulative GPA of 2.50, or CRQ: ART 100 and ART 102 with a minimum of 12 semester hours of college level work, and a minimum cumulative university GPA of 2.50.

ARTD 211. TYPOGRAPHY (3) (4) PRQ: ART 101, ART 103, ARTD 201 and successful completion of visual communication portfolio review, and a minimum grade of B in ARTD 201.

ARTD 212. TYPE AND IMAGE (3) (4) PRQ: ART 101, ART 103, ARTD 201 and successful completion of visual communication portfolio review, and a minimum grade of B in ARTD 201.

ARTD 312. INTERMEDIATE VISUAL COMMUNICATION II (3) (4). Further work in graphic design in procedures and techniques for specific problems, various media with a focus on sequence and series in communication media. PRQ: ARTD 218, ARTD 311, and ARTD 318.

ARTD 313. BEGINNING PHOTOGRAPHY (3) (4) PRQ: ART 102 or consent of school.

ARTD 404. DESIGN METHODOLOGIES (3) (4) PRQ: Consent of school ARTD 212.

ARTD 405. PROFESSIONAL PRACTICES IN DESIGN (3) (4) PRQ: ARTD 212 or successful completion of sophomore review in photography, time arts, or visual communication, the Design division, or consent of school.

ARTD 409. ADVANCED TOPICS: INTERACTIVE ART (3) (4) Interactive art with emphasis on structured and individual projects. May be repeated to a maximum of 12 semester hours. PRQ: ARTD 267, Successful completion of portfolio review in time arts, or consent of school.

ARTD 411. ADVANCED VISUAL COMMUNICATION I (3) (4) Student-selected topics of investigation. Further work in design with emphasis on problem solving: exploration of signs and symbols.
resulting in a client-based visual identity system, and analytical and creative approaches of designing specific publications. PRQ: ARTD 312 or consent of school.

ARTD 412. ADVANCED VISUAL COMMUNICATION II (3-4). General exploration of the sign process with emphasis on sequential organization of materials for application or publication and the translation of written and statistical information into graphic form. Advanced studies in the design of complex, content rich, publications, and interactive expressions of such publications; web design, and design expressed in series. PRQ: ARTD 411. CRQ: ART 406.

ARTD 413. INTERMEDIATE TRADITIONAL PHOTOGRAPHY (3-4). Further exploration of the technical and aesthetic aspects of photography as a contemporary art medium. Studio, lecture, and laboratory. May be repeated to a maximum of 9-12 semester hours. PRQ: ARTD 313 or consent of school.

ARTD 418A. SPECIAL PROBLEMS IN VISUAL COMMUNICATION (3-4). Specific studies in related areas of visual communication. Topics announced. May be repeated to a maximum of 9-12 semester hours. PRQ: Successful completion of sophomore review in visual communication or consent of school.

ARTD 418B. ADVANCED PROBLEMS IN VISUAL COMMUNICATION (3-4). Advanced studies in related areas of visual communication. Topics announced. May be repeated to a maximum of 9-12 semester hours. PRQ: ARTD 312 or consent of school.

ARTD 419. COLOR INTERMEDIATE DIGITAL PHOTOGRAPHY (3-4). Exploration of technical and aesthetic aspects of color digital photography as a contemporary art medium. Studio, lecture, and laboratory. May be repeated to a maximum of 9-12 semester hours. PRQ: ARTD 313 or consent of school.

ARTD 466. INTERMEDIA ARTS (3-4). Studies in art combining (mostly electronic) media, with emphasis on individual projects. Topics announced. May be repeated to a maximum of 9-12 semester hours. PRQ: Successful completion of sophomore portfolio review in photography, time arts, or visual communication, or consent of school.

ARTD 467. ADVANCED TOPICS: VIDEO ART (3-4). Studies in video art production with a focus on individual projects. May be repeated to a maximum of 9-12 semester hours. PRQ: ARTD 267, or consent of school.

ARTD 468. ADVANCED PHOTOGRAPHIC MEDIA (3-4). Advanced projects in photographic media. Topics announced. May be repeated for credit to a maximum of 9-12 semester hours. PRQ: ARTD 413 or ARTD 419 consent of school.

ARTD 469. PROBLEMS IN PHOTOGRAPHY (3-4). Advanced individual work in photographic media with emphasis on experimentation and artistic expression. May be repeated to a maximum of 9-12 semester hours. PRQ: ARTD 413 or ARTD 419 consent of school.
ARTD 473. ADVANCED TOPICS: 3-D ANIMATION (4). Intensive work in animation using primarily 3-D techniques with emphasis on individual projects. May be repeated to a maximum of 12 semester hours. PRQ: ARTD 373, or consent of school.

ARTE 342. INTRODUCTION TO ART AND DESIGN EDUCATION: CONTENT AND CLINICAL EXPERIENCE AT THE ELEMENTARY LEVEL (4). Overview of the history of art education and its philosophical premises. Examination of opportunities and varied policies and approaches possible in teaching art to the teaching of art and design for young children. Study of developmental characteristics of the learner and strategies for differentiated learning. Introduction to practice in use of visual and textual instructional materials and construction of lesson plans based on content knowledge, studio pedagogy and student evidence. Directed observation and supervised participation with a variety of diverse populations and educational situations with emphasis on elementary-level public school settings for a minimum of 25 hours of clinical experience. Discussion, lecture, and studio. PRQ: Proof of freedom from tuberculosis, successful completion of the Illinois Test of Basic Skills and the criminal background check required for certification; ART 100, ART 101, ART 102, ART 103; at least two of ARTH 291, and ARTH 292, ARTH 293; and minimum 2.75 cumulative GPA. ARTE 200.

ARTE 343. DIGITAL ART MAKING AND TEACHING K-12 (3). Specifically designed for pre-service art and design teachers to learn to make digital art for personal artistic development, and concurrently to gain knowledge about understanding of the possibilities of forms of teaching of digital art making, and management of digital technologies appropriate for application to K-12 contexts setting. Emphasis on development of creativity, problem solving and technical knowledge. Students will collaboratively and critically interrogate digital images, digital art media, and digital visual culture environments as they simultaneously create them. CRQ: 342.

ARTE 344. DEVELOPMENT OF RESOURCES AND METHODS IN ART AND DESIGN EDUCATION: CONTENT AND CLINICAL EXPERIENCE AT THE MIDDLE LEVEL (4). Study and practice of multiculturalism, cultural responsiveness with diverse middle level populations. Development of and reflection on practice based on educational theory, content knowledge, and student evidence. Emphasis on lesson planning, teaching and professionalism. Directed observation and supervised participation with a variety of diverse populations in and educational situations with emphasis on middle level public school settings for a minimum of 25 clock hours of clinical experience. Discussion, lecture, and studio. PRQ: ARTE 342 and admission to teacher certification, or consent of school.

ARTE 345. CURRICULUM DEVELOPMENT IN ART AND DESIGN CURRICULUM EDUCATION: CONTENT AND CLINICAL EXPERIENCE AT THE HIGH SCHOOL LEVEL (4). Developing Proficiency in sequential curriculum writing for art and design at the high school level related with regards to the individual, the community, and the organizational system of schools including a...
SECTION A – Recorded for inclusion in the Undergraduate Catalog

multicultural component student cognitive processes and curriculum goals, including culturally responsive, interdisciplinary and technological content. Proficiency in curriculum and instruction based on educational theory, content knowledge, studio pedagogy, and student evidence to ensure ongoing growth and achievement. Emphasis on differentiated instructional and assessment methods, teacher collaboration, advocacy and leadership. Directed observation and supervised participation with diverse populations and educational situations with emphasis on high school settings for a minimum of 25 clock hours of clinical experience. Discussion, lecture, and studio. PRQ: ARTE 343, ARTE 344, ARTE 387 and ARTE 463, ARTE 482, and admission to teacher certification, or consent of school.

ARTE 383. TEACHING ART IN ELEMENTARY SCHOOLS (3). Objectives, procedures, resources, and activities related to art education for the culturally responsive and creative elementary classroom. Emphasis on content knowledge and student growth and achievement connected to self-motivation, emotional well-being and active engagement. Studio, lecture, and discussion. Limited to elementary education and special education majors, or consent of school.

ARTE 387. ASSESSING ART AND DESIGN ART LEARNING, K-12 (3). Techniques for assessing student art learning K-12. Assists prospective art teachers to construct appropriate formative and summative methods for the assessment of art learning in various genres of student artwork based on individual and group visual and textual course work produced in multiple cultural and educational contexts. Development of skills necessary for the interpretation and analysis of qualities found in traditional and electronic student art portfolios referenced against psychological and culturally-based theories of artistic development. Critical analysis, development and of the advantages and limitations of the use of qualitative and quantitative methods in the art class will be undertaken to monitor art and design learning and evaluate curriculum and instructional effectiveness. Strategies designed to achieve reliability and validity of qualitative and quantitative methods for data driven decision making based on reliable and valid judgments through rubric construction, visual benchmarking, and alternative moderation methods will be practiced. Lecture, discussion and field experiences. PRQ: ARTE 342.

ARTE 463. MODERN AND POSTMODERN ART, CRITICISM AND COMMUNICATION IN EDUCATION (3). Thematic, interdisciplinary, and multicultural culturally responsive approaches to the application of aesthetic, art historical, and critical theory and methods to instructional practice in museums and elementary and secondary schools and community settings. Emphasis on communication theory and the role of visual and textual language in teaching and learning. Development and use of multiple methods of communication and digital instructional resources to measure and improve student performance. Types of evidence of professional growth alternative methods of presenting the content of aesthetics, art history and criticism, and on the use of teacher-made and commercial instructional resources. Lecture, discussion, and field experiences. PRQ: 6 semester hours in art history survey and ARTE 342 for art education majors, and admission to teacher certification, or consent of school.

ARTE 479. ART FOR SPECIAL NEEDS POPULATIONS (3). Philosophies, instructional methods, practice and experiences with appropriate materials, resources and opportunities related to art education
with regards to special needs education, gifted, and diverse identities in order to support individualized planning, co-planning and instruction. Emphasis on laws and learning related to gifted and special education populations, interventions, and reporting. Lecture, discussion, and field experiences. Limited to elementary, special, and art education majors and students with an interest in art therapy or consent of school. PRQ: ARTE 342, or consent of school.

ARTE 482. CLINICAL EXPERIENCES IN STUDIO PEDAGOGY (2) (3). Directed lesson planning for, including a multicultural component, and culturally responsive, differentiated instruction through supervised, collaborative teaching experiences for art education majors. Emphasis on co-planning, reflection, and the use of evidence-based instructional and assessment strategies for student achievement and interventions. Development of teacher leadership and family collaborations. Includes environment analysis for effective and healthy classroom management and instruction. Must include the Saturday Morning Children’s Art Program, or summer high school art camp, or other directed, in-depth clinical experience for a minimum of 25 clock hours of clinical experience. May be repeated to a maximum of 6 semester hours. PRQ: ARTE 342 and admission to teacher certification, or consent of school. CRQ: ARTE 344.

ARTE 483. ART IN ELEMENTARY SCHOOLS AND COMMUNITY PROGRAMS (3). Adapting visual arts content knowledge, lesson planning, and assessment strategies concepts derived from art history, art criticism, studio arts, and aesthetics as appropriate to the elementary child in and the self-contained classroom, and community programs. Field trip, lecture, studio, critique, and microteaching experiences. Not open to art majors.

ARTE 484. INTERRELATED ARTS EDUCATION (3). Exploration of aesthetic concepts, themes, and genres pertinent to education in across the arts. Analysis of curricular goals and structures appropriate for that accommodate an education in combined arts and basic assumptions underlying these goals and structures. Planning, developing, and implementing arts programs in the context of visual arts in K-12 educational systems.

ARTE 488A. STUDENT TEACHING IN ELEMENTARY ART (6). Student teaching at the K-8 grade level for approximately one-half semester. Assignments to be made after approval by the School of Art, art education area, and are subject to availability. (See “Teacher Certification Requirements.”) PRQ: ARTE 345, final approval of portfolio, and successful completion of the Illinois Subject Matter Knowledge Test (Art K-12). CRQ: ARTE 488B.

ARTE 488B. STUDENT TEACHING IN SECONDARY ART (6). Student teaching at the 9-12 grade level for approximately one-half semester. Assignments to be made after approval by the School of Art, art education area, and are subject to availability. (See “Teacher Certification Requirements.”) PRQ: ARTE 345, final approval of portfolio, and successful completion of the Illinois Subject Matter Knowledge Test (Art K-12). CRQ: ARTE 488A.

ARTH 294. ART HISTORY SURVEY IV: ARTS OF THE EAST ASIA (3)
ARTh 485. TOPICS IN ART HISTORY (3). Topics announced. May be repeated. Multiple enrollments are allowed in the same semester, but credit is limited to 3 semester hours per topic.

ARTh 494. ART HISTORY UNDERGRADUATE SEMINAR (3). PRQ: ARTH 486, and junior or senior status, or consent of school.

ARTS 200. BEGINNING LIFE DRAWING (3). Study of the human figure through exercises in contour, modeling, and gesture drawing in a variety of media. May be repeated for a maximum of 6 credit hours. PRQ: ART 101.

ARTS 215. FUNDAMENTALS OF GRAPHIC DESIGN (3). Introduction to the basic principles of graphic design. Studio and lecture. Not open to students pursuing the area of study in visual communications or to students with credit for ARTD 213.

ARTS 310. ISSUES IN CONTEMPORARY DRAWING (3) (4). Investigation of contemporary issues in various media, including traditional drawing and painting and 3-D and 4-D approaches. Thematic investigation of contemporary issues in various media, including drawing, painting, 3D and 4D approaches. Rotating topics may include: Narrative Image, Abstraction, Political/Social Engagement, Globalism, Deconstructing Identity, The New Landscape, etc. May be repeated to a maximum of 8 semester hours. PRQ: ARTS 201 and successful completion of sophomore portfolio review in drawing in any area in the School of Art.


ARTS 323. PAINTING I (3) (4). PRQ: ART 101 and ART 102.


ARTS 338. ANATOMICAL DRAWING (3) (4). PRQ: ARTS 201 and successful completion of sophomore portfolio review in drawing or illustration.

ARTS 351. BEGINNING METALWORK AND JEWELRY (3) (4). PRQ: ART 100, ART 101, ART 102, and ART 103, or consent of school.

ARTS 362. BEGINNING INTERMEDIATE SCULPTURE II (3) (4). Continuation of and progression from ARTS 361. Studio, lecture, and readings. May be repeated to a maximum of 12 semester hours. PRQ: ARTS 361.

ARTS 400. ADVANCED DRAWING I (3) (4). PRQ: ARTS 300 and successful completion of sophomore portfolio review in drawing, painting, or printmaking in any area in the School of Art, or consent...
ARTS 402. ADVANCED 2-D FIGURE STUDY (3). 2-D studio work emphasizing the expressive use of the figurative motif. May be repeated to a maximum of 6 semester hours. PRQ: ARTS 321 or ARTS 323, and successful completion of sophomore portfolio review in any area in the School of Art, or consent of school.

ARTS 403. DRAWING WORKSHOP (4). Advanced studio work in expressive drawing processes involving use of form, content, and technique. Emphasis on selected directions. May be repeated to a maximum of 8 semester hours. PRQ: ARTS 320. Successful completion of portfolio review in any area in the School of Art or consent of school.

ARTS 421. ADVANCED PAINTING IV (3 or 6). Individually selected studio problems in painting. May be taken concurrently with ARTS 325 or one other section of ARTS 421. May be repeated. CRQ: ARTS 425. PRQ: Successful completion of portfolio review in painting.

ARTS 425. ATELIER PAINTING (3). PRQ: ARTS 321, ARTS 323, or consent of school.

ARTS 437A. INTERMEDIATE ILLUSTRATION I (3). Continuation of black and white media and a more in-depth exploration of color, materials, and techniques with emphasis on editorial, book, and advertising illustration. Introduction to traditional color materials and techniques and their application to the different major areas of illustration. Emphasis on developing creative problem-solving skills to effectively communicate ideas and concepts. May be repeated to a maximum of 8 semester hours. PRQ: ARTS 428 or 327 and successful completion of portfolio review in Illustration.

ARTS 438A. ADVANCED ILLUSTRATION I (4). Continued exploration of color and black and white production media and the visualization process. Students work with problems in selected illustration areas. Intensive studio work with emphasis on contemporary problems of illustration using current illustration media and techniques. In conjunction with the instructor, students select an area of focus, i.e., advertising, editorial, or book. May be repeated to a maximum of 8 semester hours. PRQ or CRQ: ARTS 437B.

ARTS 441A. INTERMEDIATE HAND-BUILDING CERAMICS (3). PRQ: ARTS 347 ARTS 346A or consent of school.

ARTS 441B. INTERMEDIATE WHEEL-THROWING CERAMICS (4). PRQ: ARTS 347 ARTS 346B or consent of school.

ARTS 447. COMPUTER RASTER APPLICATIONS FOR ILLUSTRATION (3). PRQ: ARTS 215 and ARTS 437A.

ARTS 448. COMPUTER VECTOR APPLICATIONS FOR ILLUSTRATION (3). PRQ: ARTS
ARTS 452. ADVANCED RESEARCH IN METALWORK AND JEWELRY (4 or 8). ……PRQ: ARTS 451 and pass portfolio review in Metalwork and Jewelry.

ARTS 456. SCULPTURE WORKSHOP (3). Intensive study of one sculpture concepts and process. Focus varies, using contemporary sculpture trends in concept and materials. May be repeated to a maximum of 12 semester hours. PRQ: ART 101 and ART 102 ARTS 361 and ARTS 362.

ARTS 461. ADVANCED SCULPTURE I (4). Development of a cohesive body of work for exhibition, slide documentation, and a written statement about the student’s work. Opportunity for intensive study and studio work. Studio, research, and lecture. May be repeated to a maximum of 16 semester hours. PRQ: ARTS 364 362.

Other catalog changes: Page 303, 2011-12 Undergraduate Catalog

(B.S.Ed.)

Requirements in School (82)

ARTH 292 – Art History Survey II: from ca. 1400 (3)
ARTE 200 – Studio Foundations for Art and Design Educators (3)
ARTE 342 – Introduction to Art and Design Education: Content and Clinical Experience at the Elementary Level (4)
ARTE 343 - Digital Art Making and Teaching K-12 (3)
ARTE 344 – Development of Resources and Methods in Art and Design Education: Content and Clinical Experience at the Middle Level (4)
ARTE 345 – Curriculum Development in Art and Design Curriculum Education: Content and Clinical Experience at the High School Level (4)
ARTE 387 – Assessing Art and Design Learning, K-12 (3)
OR ETR 430 – Classroom Assessment in Elementary Education (3)
OR ETR 440 – Classroom Assessment Techniques (3)
ARTE 463 – Art, Criticism and Communication Modern and Postmodern Art in Education (3)
ARTS 323 – Painting I (3)

One of the following pairs of courses \( \text{ARTS 300} – \text{Intermediate Drawing (3)} \), and \( \text{ARTS 301} \) \( \text{Drawing Composition and Techniques (3)} \), and \( \text{ARTS 310} – \text{Issues in Contemporary Drawing (4)} \)

\( \text{ARTS 321} – \text{Watercolor Waterbased Painting I (4)} \), and \( \text{ARTS 324} – \text{Painting II (4)} \)

\( \text{ARTS 323} – \text{Painting I (4)} \), and \( \text{ARTS 324} – \text{Painting II (4)} \)

\( \text{ARTS 327} – \text{Illustration I (4)} \), and \( \text{ARTS 437} – \text{Intermediate Illustration II (4)} \)

\( \text{ARTS 330} – \text{Introduction to Printmaking (4)} \), and \( \text{ARTS 331} – \text{Intermediate Printmaking: Lithography (4)} \)
ARTS 330 – Introduction to Printmaking (3), and ARTS 332 – Intermediate Printmaking: Intaglio and Relief (4)
ARTS 330 – Introduction to Printmaking (3), and ARTS 333 – Intermediate Printmaking: Serigraphy (4)
ARTS 341 – Fundamentals of Ceramics (3), and ARTS 346A – Hand-Building Ceramics (3) (4)
ARTS 341 – Fundamentals of Ceramics (3), and ARTS 346B – Wheel-Throwing Ceramics (3) (4)
ARTS 351 – Beginning Metalwork and Jewelry (3), and ARTS 352 – Intermediate Metalwork and Jewelry (3) (4)
ARTS 361 – Beginning Sculpture I (3), and ARTS 362 – Beginning Intermediate Sculpture II (3) (4)
ARTD 313 – Beginning Photography (4), and ARTD 413 Intermediate Traditional Photography (4)

One of the following (3)
ARTS 341 – Fundamentals of Ceramics (3)
ARTS 351 – Beginning Metalwork and Jewelry (3)
ARTS 361 – Beginning Sculpture I (3)

ARTS 371 – Weaving (3)
ARTS 372 – Surface Exploration of Fabric (3)

One of the following (3)
ARTS 300 – Intermediate Drawing (3)
ARTS 321 – Watercolor Waterbased Painting I (3)
ARTS 323 – Painting I (3)
ARTS 324 – Painting II (3)
ARTS 327 – Illustration I (3)
ARTS 330 – Introduction to Printmaking (3)

ARTD 313 – Beginning Photography (4)

300- or 400-level art history courses (3)
ARTE 479 – Art for Special Needs Populations (3)
OR TLSE 457 – Systems for Integrating the Exceptional Student in the Regular Classroom (3)
ARTE 482 – Clinical Experiences in Studio Pedagogy (3)
ARTE 488A – Student Teaching in Elementary Art (6)
ARTE 488B – Student Teaching in Secondary Art (6)

Requirements outside School (9)

Total Hours for a Major in Art Education: 86-91

Other Catalog Changes: Page 304, 2011-12 Undergraduate Catalog

212 semester hours in the following three categories with no repetition of courses.
Major in Art History (B.A.)

Requirements in School (36)
ARTH 291 - Art History Survey I: to ca. 1400 (3)
ARTH 292 - Art History Survey II: from ca. 1400 (3)
ARTH 294 - Art History Survey IV: Arts of the East Asia (3)
ARTH 486 - Art Historical Methodology (3)
ARTH 494 - Art History Undergraduate Seminar (3)

At least one 300-level course from four each of the following areas (12)
Ancient, Medieval, and Early Modern Europe
Medieval
Renaissance and Baroque
Modern and American
American, Modern, Contemporary, and Design
Islamic and Far Eastern
Asian, African, Oceanian, Native American, and Pre-Columbian, and Latin American

Required Cognate Courses (18) 18-20
In addition to a minimum of two courses, 6-8 semester hours of studio art, select courses in related fields, such as literature, history, philosophy, anthropology, archaeology, or additional art history courses, in consultation with a major adviser (18) 18-20

Requirements outside School (0-12)

University Electives (12-15)
Students must take 12-15 semester hours in any NIU course.

Total Hours for a Major in Art History: 54-66 66-81

Degree with Honors

To complete the senior thesis, students must complete: ARTH 486 - Art Historical Methodology (3) followed by ARTH 499H - Senior Thesis (3)

Other changes:

Major in Art (B.A.)

Requirements in School (54) 53
Other art courses (32)

Requirements outside School (0-12)
Fulfillment of B.A. foreign language requirement (0-12).
(See “Foreign Language Requirement for the B.A. Degree” in the Other Graduation Requirements section of this catalog.)

University Electives (15)
Students must take 12-15 semester hours in any NIU course.

Total Hours for a Major in Art (B.A.): 54-66

Other changes:

Emphasis 1. Design

Requirements in School (80-81)
ART 100 – Drawing Foundation I (3)
ART 101 – Drawing Foundation II (3)
ART 102 – 2-D Foundation (3)
ART 103 – 3-D Foundation (3)
ARTS 200 – Beginning Life Drawing (3)
ARTH 291 – Art History Survey I: to ca. 1400 (3)
ARTH 292 – Art History Survey II: from ca. 1400 (3)
ARTD 406 – Senior Project (3)
One of the following areas of study (57-62)

Time Arts (62)
ARTD 267 – Introduction to Video Art (3)
ARTD 273 – Introduction to Time Arts I (3)
ARTD 275 – Introduction to Time Arts II (3)
ARTD 303 – Video Art (4)
ARTD 313 – Beginning Photography (4)
ARTD 355 – Critical Topics in Art and Time (4)
ARTD 367 – Interactive Art (4)
ARTD 369 – Audio Art (3)
ARTD 370 – 2-D Animation (3)

Art history electives (6)
Course work from the following (18)
ARTD 373 – 3-D Animation (3)
ARTD 375 – Special Topics in Time Arts (3)
ARTD 409 – Advanced Topics: Interactive Art (4)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARTD 410</td>
<td>Studies in Interactive Media</td>
<td>(3)</td>
</tr>
<tr>
<td>ARTD 466</td>
<td>Intermedia Arts</td>
<td>(4)</td>
</tr>
<tr>
<td>ARTD 467</td>
<td>Advanced Topics: Video Art</td>
<td>(4)</td>
</tr>
<tr>
<td>ARTD 473</td>
<td>Advanced Topics: 3D Animation</td>
<td>(4)</td>
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<td>ARTD 406</td>
<td>Senior Project</td>
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<tr>
<td></td>
<td>Upper-division art studio electives</td>
<td>(8)</td>
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<tr>
<td></td>
<td>Art history electives</td>
<td>(6)</td>
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</tbody>
</table>

Special requirements: After completion of ARTD 273, and ARTD 275, students must successfully complete a portfolio review in order to be retained in the time arts area of study. ARTD 267, ARTD 273, and ARTD 275.

Photography (63)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ARTS 215</td>
<td>Fundamentals of Graphic Design</td>
<td>(3)</td>
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<tr>
<td>ARTD 302</td>
<td>Color</td>
<td>(3)</td>
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<tr>
<td>ARTD 303</td>
<td>Video Art</td>
<td>(4)</td>
</tr>
<tr>
<td>ARTD 313</td>
<td>Beginning Photography</td>
<td>(4)</td>
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<td>ARTD 413</td>
<td>Intermediate Traditional Photography</td>
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<tr>
<td>ARTD 419</td>
<td>Color Intermediate Digital Photography</td>
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<td>ARTD 468</td>
<td>Advanced Photographic Media</td>
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<tr>
<td>ARTD 469</td>
<td>Problems in Photography</td>
<td>(6)</td>
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</tbody>
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Students must take 16 semester hours in this course.

Photography (63)

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<tbody>
<tr>
<td>ARTD 201</td>
<td>Introduction to Visual Communication</td>
<td>(4)</td>
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<tr>
<td>ARTD 211</td>
<td>Typography</td>
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<td>ARTD 212</td>
<td>Type and Image</td>
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<td>ARTD 218</td>
<td>Introduction to Visual Communication Theory</td>
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<td>ARTD 311</td>
<td>Intermediate Visual Communication I</td>
<td>(4)</td>
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<td>ARTD 312</td>
<td>Intermediate Visual Communication II</td>
<td>(4)</td>
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<tr>
<td>ARTD 318</td>
<td>Interaction Design</td>
<td>(4)</td>
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</tbody>
</table>

Special requirements: After completion of ARTD 273, and ARTD 275, students must successfully complete a portfolio review in order to be retained in the time arts area of study. ARTD 267, ARTD 273, and ARTD 275.

Photography (63)

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<td>ARTD 311</td>
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<tr>
<td>ARTD 312</td>
<td>Intermediate Visual Communication II</td>
<td>(4)</td>
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<tr>
<td>ARTD 318</td>
<td>Interaction Design</td>
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Visual Communication (62)

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<td>ARTD 216</td>
<td>- Introduction to Visual Communication Theory</td>
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<tr>
<td>ARTD 217</td>
<td>- Introduction to Visual Communication Theory</td>
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<tr>
<td>ARTD 218</td>
<td>- Interaction Design</td>
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<tr>
<td>ARTD 311</td>
<td>- Intermediate Visual Communication I</td>
<td>(4)</td>
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<tr>
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<td>- Intermediate Visual Communication II</td>
<td>(4)</td>
</tr>
<tr>
<td>ARTD 318</td>
<td>- Interaction Design</td>
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</tbody>
</table>

Special requirements: A portfolio review is required for retention in the photography area of study after completing all courses in photography in the School of Art at NIU. A minimum GPA of 3.00 in all 300- and 400-level courses in this area of study is required for graduation. Prior to admission into ARTD 406 a student must confirm that the above minimum GPA has been met.
ARTD 319 - Interaction Concepts and Techniques Design II (4)
ARTD 405 - Professional Practices in Design (4)
ARTD 411 - Advanced Visual Communication I (4)
ARTD 412 - Advanced Visual Communication II (4)
ARTH 381 - History of Visual Communication (3)
ARTH 360 - Studies in Design (4)
ARTD 406 - Senior Project (4)
Art studio electives (8)
Art history elective (3)
Course work from the following (6) (4)
ARTD 316 - Package Design I (3)
ARTD 319 - Interaction Concepts and Techniques I (3)
ARTD 320 - Motion Graphic Design (4)
ARTD 404 - Design Methodologies (4)
ARTD 405 - Professional Practices in Design (4)
ARTD 414 - Information Design (3)
ARTD 418A - Special Problems in Visual Communication (3, 4)
ARTD 418B - Advanced Problems in Visual Communication (3, 4)
Art studio electives (15)

Special requirements: The student must successfully complete a portfolio review after ARTD 201 and have a minimum GPA of 3.00 in the following courses for graduation: ARTD 201, ARTD 211, and ARTD 212. ARTD 218, ARTD 311, ARTD 312, ARTD 316, ARTD 318, ARTD 319, ARTD 404, ARTD 405, ARTD 411, ARTD 414, ARTD 418A, and ARTD 418B to continue in the visual communication program. Prior to admission into ARTD 406, a student must confirm that the above minimum GPA requirement has been met.

Students must successfully complete a review of their senior project during ARTD 406.

Recommendation: Students are encouraged to select ANTH 220 and PSYC 102 toward fulfillment of the social science requirements in the general education program. Art electives should be chosen in consultation with faculty area advisor.

Other changes: Page 305, 2011-12 Undergraduate Catalog

Emphasis 2. Fine Arts–2-D Studio
↓
Requirements in School (81 79-83)
↓
ARTS 200 – Beginning Drawing (3)
ARTS 201 – Intermediate Life Drawing (3)
ARTS 300 – Intermediate Drawing (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ARTH 291 – Art History Survey I: to ca. 1400 (3)
ARHT 292 – Art History Survey II: from ca. 1400 (3)
ARTS 406 – Senior Project (3)
ARTH 398 – 20th Century Art (3)
ARTS 492 – Contemporary Art (3)

Art history elective (3)

One of the following areas of study (45-62)

Drawing (58)

ARTS 300 – Intermediate Drawing (2) (4)
ARTS 305 – Drawing Materials and Methods (2)
ARTS 310 – Issues in Contemporary Drawing (2) (5)

Students must take a minimum of 3 semester hours in ARTS 310

ARTS 323 – Painting I (2) (4)
OR ARTS 321 – Water-based Painting I (4)
ARTS 330 – Introduction to Printmaking (2) (4)
ARTS 400 – Advanced Drawing I (2) (4)
AND ARTS 401 – Advanced Drawing II Credits: 3
ARTS 402 – Advanced 2-D Figure Study (2) (4)
ARTS 403 – Drawing Workshop (2) (4)
ARTS 406 – Senior Project (4)

ARTH 340 – Studies in Modern and American Art (3)
OR ARTH 350 – Studies in Contemporary Art (3)

Art studio electives with at least 6 semester hours of upper-division course work (9)

3-D Studio elective (4)

Art History elective (3)

Four of the following (12)

ARTS 321 – Water-based Painting I (3)
ARTS 341 – Fundamentals of Ceramics (3)
ARTS 351 – Beginning Metalwork and Jewelry (3)
ARTS 361 – Beginning Sculpture I (3)
ARTS 368 – Papermaking (3)
OR ARTS 372 – Surface Exploration of Fabric (3)
OR ARTS 374 – 3-D Forms in Fiber (3)

Special requirement: The student must successfully complete a sophomore portfolio review in drawing after the following courses: ARTH 200; and ARTH 300.

Illustration (62)

ARTS 215 – Fundamentals of Graphic Design (2) (4)
ARTD 313 – Beginning Photography (3)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ARTS 321 - Watercolor Waterbased Painting I (4)
OR ARTS 323 - Painting I (4)
ARTS 327 and 328 - Illustration I and II (4)
ARTD 370 – 2-D animation (4)
ARTS 402 – Advanced 2-D Figure Study (4)
ARTS 437A – Intermediate Illustration I (4)
Students must take 8 semester hours in ARTS 437
ARTS 437B – Intermediate Illustration II (3)
ARTS 438A – Advanced Illustration I (3)
Students must take 8 semester hours in ARTS 438
ARTS 438B – Advanced Illustration II (3)
ARTS 447 - Computer Raster Applications for Illustration (4)
ARTS 448 - Computer Vector Applications for Illustration (4)
ARTS 406 - Senior Project (4)
ARTH 340 – Studies in Modern and American Art (3)
OR ARTH 350 – Studies in Contemporary Art (3)
ARTH 360 – Studies in Design (3)
Art studio electives in 2-D studio or 3-D studio (9)
Art studio electives (3)

Special requirement: Successful completion of portfolio review after ARTS 327 ARTS 328
(including work of ARTS 327) to continue in the illustration area of study.

Painting (58)
ARTS 301 – Drawing Composition and Techniques (3)
OR ARTS 305 – Drawing Materials and Methods (3)
ARTS 300 – Intermediate Drawing (4)
ARTS 330 - Introduction to Printmaking (4)
ARTS 364 – Beginning Sculpture I (3)
ARTH 340, and ARTS 401 – Advanced Drawing I and II (6)
ARTH 340 – Studies in Modern and American Art (3)
OR ARTH 485 – Topics in Art History (3)
ARTH 350 – Studies in Contemporary Art (3)
Art studio electives (12)
One of the following fields (18)

Oil/Acrylic Painting
ARTS 321 – Waterbased Painting I (4)
ARTS 322 – Waterbased Painting II (4)
OR ARTS 324 – Painting II (4)
ARTS 323, and ARTS 324 – Painting I and II (4)
ARTS 323 – Waterbased Painting II (4)
OR ARTS 324 – Painting II (4)
ARTS 325 - Painting III (3)

OR ARTS 402 - Advanced 2-D Figure Study (3)

ARTS 406 - Senior Project (4)

ARTS 421 - Advanced Painting A (4), B (4)

Students must take 16 semester hours in this course.

ARTS 406 - Senior Project (4)

Watercolor Painting

ARTS 321 - Waterbased Painting I (3) AND
ARTS 322 - Waterbased Painting II (3)

ARTS 323 - Painting I (3) AND
ARTS 324 - Painting II (3)

ARTS 325 - Waterbased Painting III (3)

ARTS 422 - Waterbased Painting IV (3 OR 6)

Students must take 34 semester hours in this course.

Special requirement: The student must successfully complete a sophomore portfolio review in painting after ARTS 321, and ARTS 322, OR ARTS 323, and ARTS 324, the following courses:

ARTS 321 - Waterbased Painting I (4)

ARTS 323 - Painting I (4) AND ARTS 322 - Waterbased Painting II (4)

OR ARTS 324 - Painting II (4)

Printmaking (38)

ARTS 305 - Drawing Materials and Methods (3)

ARTD 313 - Beginning Photography (3)

ARTS 300 - Intermediate Drawing (4)

ARTS 323 - Painting I (4)

ARTS 330 - Introduction to Printmaking (4)

ARTS 331 - Intermediate Printmaking: Lithography (4)

ARTS 332 - Intermediate Printmaking: Intaglio and Relief (4)

ARTS 333 - Intermediate Printmaking: Serigraphy (4)

ARTS 430 - Advanced Printmaking Workshop (6) (4 OR 8)

Students must take 8 semester hours in this course.

ARTS 406 - Senior Project (4)

ARTH 340 - Studies in Modern and American Art (3)

OR ARTH 350 - Studies in Contemporary Art (3)

Any of the following (3)

ARTS 341 - Fundamentals of Ceramics (3)

ARTS 351 - Beginning Metalwork and Jewelry (3)

ARTS 361 - Beginning Sculpture I (3)

ARTS 368 - Papermaking (3)

ARTS 372 - Surface Exploration of Fabric (3)
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Other changes:

Emphasis 3. Fine Arts–3-D Studio

Requirements in School (84-99-80)

- ART 103 – 3-D Foundation (3)
- ARTS 200 – Beginning Life Drawing (3)
- ARTH 291 – Art History Survey I: to ca. 1400 (3)
- ARTH 292 – Art History Survey II: from ca. 1400 (3)
- ARTD 406 – Senior Project (3)
- Art History electives (6)

One of the following areas of study (61-62)

Ceramics (61)
- ARTS 200 - Beginning Life Drawing (3)
- ARTS 341 - Fundamentals of Ceramics (3)
- ARTS 346A - Hand-Building Ceramics (3)
- ARTS 346B - Wheel-Throwing Ceramics (3)
- ARTS 347 - Technical Study in Ceramics (3)
- ARTS 351 - Beginning Metalwork and Jewelry (3)
- ARTS 361 - Beginning Sculpture I (3)
- One of the following (3) (4)
  - ARTS 368 - Papermaking (3)
  - ARTS 371 - Weaving (3)
  - ARTS 372 - Surface Exploration of Fabric (3)
  - ARTS 374 - 3-D Forms in Fiber (4)
- ARTS 406 - Senior Project (4)
- ARTS 441A - Intermediate Hand-Building Ceramics (4)
- ARTS 441B - Intermediate Wheel-Throwing Ceramics (4)
- ARTS 446 - Advanced Ceramics (12)
- Art studio electives (12)
- Art history electives (6)

Fiber (62)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

ARTS 330 - Introduction to Printmaking (4)
ARTS 341 - Fundamentals of Ceramics (3)
OR ARTS 351 - Beginning Metalwork and Jewelry (4)
ARTS 351 - Beginning Metalwork and Jewelry (4)
ARTS 361 - Beginning Sculpture I (3)
ARTS 368 - Papermaking (3)
ARTS 371 - Weaving (4)
ARTS 372 - Surface Exploration of Fabric (4)
ARTS 374 - 3-D Forms in Fiber (4)
ARTS 406 - Senior Project (4)

16 semester hours in any combination of the following courses:

ARTS 470A - Intermediate/Advanced Fiber Studio: Weaving (4 or 8)
ARTS 470B - Intermediate/Advanced Fiber Studio: Surface Exploration of Fabric (4 or 8)
ARTS 470C - Intermediate/Advanced Fiber Studio: 3-D Forms in Fiber (4 or 8)
ARTS 470D - Intermediate/Advanced Fiber Studio: Papermaking (4 or 8)

Art studio electives (6)

ARTH 340 - Studies in Modern and American Art (3)
OR ARTH 350 - Studies in Contemporary Art (3)

Art history elective (3)

Course work in at least three of the following (24)

ARTS 330 - Introduction to Printmaking (4)
ARTS 341 - Fundamentals of Ceramics (3)
ARTS 351 - Beginning Metalwork and Jewelry (4)
ARTS 352 - Intermediate Metalwork and Jewelry (3)
ARTS 361 - Beginning Sculpture I (3)
ARTS 362 - Beginning Sculpture II (4)

One of the following (4)

ARTS 368 - Papermaking (3)
ARTS 371 - Weaving (4)
ARTS 372 - Surface Exploration of Fabric (4)
ARTS 374 - 3-D Forms in Fiber (4)

ARTS 451 - Advanced Metalwork and Jewelry (3)
ARTS 452 - Advanced Research in Metalwork and Jewelry (4)

Students must take 16 semester hours in this course.

Students must take 4 semester hours in this course.
ARTS 453 - Beginning Enameling (3)
ARTS 454 - Advanced Enameling (3)
ARTS 406 - Senior Project (4)
Art history electives (6)
Art studio electives (6) (8)

Special requirement: Successful completion of a portfolio review in metalwork and jewelry after ARTS 351 and ARTS 352 to continue in this area of study.

Sculpture (62)
ARTS 341 - Fundamentals of Ceramics (3) (4)
ARTS 351 - Beginning Metalwork and Jewelry (3) (4)
ARTS 361 and ARTS 362 - Beginning Sculpture I and II (6) (4)
ARTS 362 - Beginning Intermediate Sculpture II (3) (4) (12)
Students must take 12 semester hours in this course.
ARTS 363 and ARTS 364 - Intermediate Sculpture I and II (6)
ARTS 371 - Weaving (3)
ARTS 456 - Technical Studio: Sculpture Workshop (3) (4)
ARTS 461 and ARTS 462 - Advanced Sculpture I and II (6) (12)

Special requirement: The student must successfully complete a sophomore portfolio review in sculpture after ARTS 361 and ARTS 362.

Choose one of the following (4):
ARTS 368 - Papermaking (4)
ARTS 371 - Weaving (4)
ARTS 373 - Surface Exploration of Fabric (4)
ARTS 374 - 3-D Forms in Fiber (4)

School of Music

Course Deletions:

2011-12 Undergraduate Catalog

MUSC 423. BLACK MUSIC (3).
MUSC 100. FUNDAMENTALS OF MUSIC THEORY (3).
SECTION A – Recorded for inclusion in the Undergraduate Catalog

MUSC 407. MODAL COUNTERPOINT (3).
MUSC 409. TONAL COUNTERPOINT (3).
MUSC 140D. GROUP PIANO (NON-MUSIC MAJORS) (1).
MUSC 140E. INDIVIDUAL INSTRUCTION IN PIANO. ….
MUSC 140K. INDIVIDUALIZED INSTRUCTION IN JAZZ PIANO (1)
MUSC 363. SPECIAL CONTEMPORARY PERFORMANCE SKILLS: EXPERIMENTAL MUSIC (2).
MUSC 398J. STEEL BAND 11(1).
MUSC 374. ORGANIZATION OF THE INSTRUMENTAL MUSIC PROGRAM (2).
MUSC 376. SURVEY OF INSTRUMENTS AND SCORING (2)
MUSC 380. ORFF INSTRUMENTARIUM (2).
MUSC 481. MUSIC IN THE THERAPEUTIC PROCESS (3).

MUSC 368. STUDIES OF FOLK AND TRADITIONAL INSTRUMENTS (1). (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 390. VOCAL ENSEMBLE (1) (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 391. INSTRUMENTAL ENSEMBLE (1) (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 392. UNIVERSITY BAND (1) (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 393. HUSKIE BANDS (1). (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 397. ORCHESTRA (1). (Courses listed with alpha indicators will become new courses w/numbers)
MUSC 398. WORLD MUSIC ENSEMBLE (1) (Courses listed with alpha indicators will become new courses w/numbers)

Course Revisions: Undergraduate Catalog

MUSC 220 MUHL 220 INTRODUCTION TO MUSIC.
GEC approved via electronic meeting

MUSC 230 MUHL 230 JAZZ LITERATURE. ……. PRQ: Grade of C or better in MUSC 102 MUTC 101 and MUSC 104 MUTC 104.

MUSC 321 MUHL 321 HISTORY AND LITERATURE OF MUSIC I ……. PRQ: Grade of C or better in MUSC MUTC 202.

MUSC 322 MUHL 322 HISTORY AND LITERATURE OF MUSIC II ……. PRQ: Grade of C or better in MUSC MUTC 202.

MUSC 323 MUHL 323 20TH CENTURY MUSIC ……. PRQ: Grade of C or better in MUSC 202, and grade of C or better in either MUSC 204 or MUSC 267.

Grade of C or better in MUTC 202, and grade of C or better in either MUTC 204 or MUSP 204.
SECTION A – Recorded for inclusion in the Undergraduate Catalog

MUSC 326 MUHL 326 SURVEY OF WORLD MUSIC

MUSC 337 MUHL 337 CHAMBER MUSIC LITERATURE

MUSC 398 MUHL 398 SELECTED STUDIES IN MUSIC: MUSIC HISTORY AND LITERATURE

MUSC 421 MUHL 421 TOPIC STUDIES IN ETHNOMUSICOCOLOGY ….. PRQ: MUSC Muhl 326 …

MUSC 422 MUHL 422 JAZZ HISTORY ….. PRQ: MUSC MUHL 230.

MUSC 426 MUHL 426 AMERICAN MUSIC IN THE CONCERT TRADITION ….. PRQ: MUSC MUHL 321.

MUSC 427 MUHL 427 AMERICAN MUSIC IN THE FOLK AND POPULAR TRADITIONS. ….. PRQ: MUSC MUHL 321.

MUSC 430 MUHL 430 SEMINAR IN MUSIC HISTORY AND LITERATURE

MUSC 431 MUHL 431 MUSIC OF SOUTHEAST ASIA

MUSC 432 MUHL 432 MUSIC OF CHINA

MUSC 433 MUHL 433 CHORAL LITERATURE I

MUSC 434 MUHL 434 CHORAL LITERATURE II

MUSC 435 MUHL 435 ORGAN LITERATURE I

MUSC 436 MUHL 436 ORGAN LITERATURE II

MUSC 437 MUHL 437 PIANO LITERATURE I ….. CRQ: MUSC MUSP 310 …

MUSC 438 MUHL 438 PIANO LITERATURE II ….. CRQ: MUSC MUSP 310 …

MUSC 439 MUHL 439 GUITAR LITERATURE ….. PRQ: Grade of C or better in MUSC MUTC 202, and grade of C or better in MUSC MUTC 204 or MUSC MUSP 267.

MUSC 101 MUTC 101 MUSIC THEORY I

MUSC 102 MUTC 102 MUSIC THEORY II ….. PRQ: Grade of C or better in MUSC MUTC 101.
### SECTION A – Recorded for inclusion in the Undergraduate Catalog

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<td>MUTC 103</td>
<td>AURAL SKILLS I</td>
<td>CRQ: MUSC MUTC 101, PRQ: Grade of C or better in MUSC MUTC 103</td>
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<td>MUSC 104</td>
<td>MUTC 104</td>
<td>AURAL SKILLS II</td>
<td>PRQ: Grade of C or better in MUSC MUTC 103, CRQ: MUSC MUTC 102</td>
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<td>MUTC 201</td>
<td>MUSIC THEORY III</td>
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<td>MUTC 212</td>
<td>ELECTRONIC AND COMPUTER MUSIC II</td>
<td>PRQ: MUSC MUTC 211</td>
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<td>MUSC 300</td>
<td>MUTC 300</td>
<td>COMPOSITION: PRIMARY</td>
<td>PRQ: Grade of C or better in MUSC MUTC 202, grade of C or better in either MUSC MUTC 204 or MUSC MUTC 267, and consent of school.</td>
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<td>MUTC 301</td>
<td>MUSIC THEORY V</td>
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<td>MUTC 305</td>
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<td>MUTC 307</td>
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<td>PRQ: Grade of C or better in MUSC MUTC 202, and a grade of C or better in MUSC MUTC 204 or MUSC MUTC 267</td>
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<td>MUSC 140A</td>
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<td>Emphasis on performance, with proficiency requirements at each level. PRQ: Consent of school</td>
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<td>MUSC 140B</td>
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<td>MUSP 108 GUITAR IMPROVISATION (1)</td>
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MUSC 140 MUSP 110. PIANO SECONDARY (1). Emphasis on performance, with proficiency requirements at each level. PRQ: Consent of school.

MUSC 141 MUSP 111. ORGAN: SECONDARY. Emphasis on performance with proficiency requirements. Individual and/or group instruction. Open to non-music majors by special consent of school. May be repeated.

MUSC 142 MUSP 112. HARP: SECONDARY....

MUSC 143 MUSP 113. VOICE: SECONDARY....

MUSC 144 MUSP 114. VIOLIN: SECONDARY....

MUSC 145 MUSP 115. VIOLA: SECONDARY....

MUSC 146 MUSP 116. VIOLONCELLO: SECONDARY....

MUSC 147 MUSP 117. TRUMPET: SECONDARY....
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MUSC 159A MUSP 130. STEELPAN: SECONDARY....

MUSC 260 MUSP 160. INTRODUCTION TO JAZZ STUDIES....

MUSC 266 MUSP 203. AURAL FOUNDATIONS OF IMPROVISATION I. .... PRQ: Grade of C or better in MUSC MUTC 104.

MUSC 267 MUSP 204. AURAL FOUNDATIONS OF IMPROVISATION II. .... PRQ: Grade of C or better in MUSC MUSP 203.

MUSC 264 MUSP 205. DICTION FOR SINGER I....

MUSC 262 MUSP 206. DICTION FOR SINGER II. .... PRQ: Grade of C or better in MUSC MUSP 205.

MUSC 263 MUSP 207. GUITAR SKILLS II. .... PRQ: MUSC MUSP 107 or consent of school.

MUSC 264 MUSP 208. GUITAR IMPROVISATION II. .... PRQ: MUSC MUSP 108 or consent of school.

MUSC 240 MUSP 210. PIANO: PRIMARY....

MUSC 241 MUSP 211. ORGAN: PRIMARY....

MUSC 242 MUSP 212. HARPSICHORD: PRIMARY....

MUSC 243 MUSP 213. HARP: PRIMARY .... Students registered for MUSC 243 may not concurrently register for MUSC 390 without the permission of the MUSC 243 instructor. CRQ: MUSC MUSP 261, MUSC 262, AND MUSC 394 OR MUSC 395.

MUSC 244 MUSP 214. VOICE: PRIMARY .... Students registered for MUSC 244 may not concurrently register for MUSC 390 without the permission of the MUSC 244 instructor. CRQ: MUSC MUSP 394 or MUSC MUSP 395.

MUSC 245 MUSP 215. VIOLIN: PRIMARY .... CRQ: MUSC MUSP 397A MUSE 360

MUSC 246 MUSP 216. VIOLA: PRIMARY .... CRQ: MUSC MUSP 397A MUSE 360

MUSC 247 MUSP 217. VIOLONCELLO: PRIMARY .... CRQ: MUSC MUSP 397A MUSE 360

MUSC 248 MUSP 218. CONTRABASS: PRIMARY .... CRQ: MUSC MUSP 397A MUSE 330. or MUSC
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MUSC 362 MUSP 337 CONDUCTING III: CHORAL … …. PRQ: MUSC 360 MUSP 335

MUSC 365 MUSP 339 ACCOMPANYING….

MUSC 368C MUSP 340 AFRICAN INSTRUMENTS (1). Development of skills necessary to play selected instruments from various cultures and historical periods. Individual and/or group study. Participation for credit in more than one category during the same semester permitted. May be repeated. PRQ: Music major.

MUSC 368D MUSP 341 CARIBBEAN INSTRUMENTS (1). Development of skills necessary to play selected instruments from various cultures and historical periods. Individual and/or group study. Participation for credit in more than one category during the same semester permitted. May be repeated. PRQ: Music major.

MUSC 368E MUSP 342 RENAISSANCE AND BAROQUE INSTRUMENTS (1). Development of skills necessary to play selected instruments from various cultures and historical periods. Individual and/or group study. Participation for credit in more than one category during the same semester permitted. May be repeated. PRQ: Music major.

MUSC 368F MUSP 343 INDIAN INSTRUMENTS (1). Development of skills necessary to play selected instruments from various cultures and historical periods. Individual and/or group study. Participation for credit in more than one category during the same semester permitted. May be repeated. PRQ: Music major.

MUSC 368G MUSP 344 AFRO-CUBAN PERCUSSION INSTRUMENTS (1). Development of skills necessary to play selected instruments from various cultures and historical periods. Individual and/or group study. Participation for credit in more than one category during the same semester permitted. May be repeated. PRQ: Music major.

MUSC 369 MUSP 319 SELECTED STUDIES IN MUSIC: PERFORMANCE…..

MUSC 462 MUSP 463 SURVEY OF THE MUSIC INDUSTRY…..

MUSC 463 MUSP 463 ARTS ORGANIZATIONS IN MUSIC…..

MUSC 464 MUSP 464 WORKSHOP IN MOVEMENT & PERFORMING AWARENESS…..

MUSC 390 MUSE 340 WOMEN’S CHORUS…..

MUSC 390A MUSE 341 CHAMBER CHOIR (1). Study of vocal repertoire as developed through
ensemble participation. May be repeated. Participation for credit in more than one ensemble during the same semester permitted. Students registered for MUSC 244 MUSP 214 may not concurrently register for MUSC 390 without the permission of the MUSC 244 instructor.

MUSC 390B MUSE 343 OPERA WORKSHOP (1). Study of vocal repertoire as developed through ensemble participation. May be repeated. Participation for credit in more than one ensemble during the same semester permitted. Students registered for MUSC 244 MUSP 214 may not concurrently register for MUSC 390 without the permission of the MUSC 244 instructor.

MUSC 390D MUSE 344 JAZZVOX (1). Study of vocal repertoire as developed through ensemble participation. May be repeated. Participation for credit in more than one ensemble during the same semester permitted. Students registered for MUSC 244 MUSP 214 may not concurrently register for MUSC 390 without the permission of the MUSC 244 instructor.

MUSC 391A MUSE 315. STRING ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391B MUSE 316. WOODWIND ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391C MUSE 317. BRASS ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391D MUSE 318. PERCUSSION ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391G MUSE 319. GUITAR ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391H MUSE 320. KEYBOARD ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391K MUSE 321. MIXED ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391L MUSE 322. NEW MUSIC ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391M MUSE 323. EARLY MUSIC ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 391N MUSE 324. JAZZ COMBO (1). Ensemble performance. Participation for credit in more
than one ensemble during the same semester permitted. May be repeated.

MUSC 391A MUSE 325. LATIN JAZZ ENSEMBLE (1). Ensemble performance. Participation for credit in more than one ensemble during the same semester permitted. May be repeated.

MUSC 392A MUSE 330. WIND SYMPHONY (1). Open to all university students proficient in the playing of wind and percussion instruments. Participation in both MUSE 330 and MUSE 331 A and B during the same semester permitted. May be repeated.

MUSC 392B MUSE 331. WIND ENSEMBLE (1). Open to all university students proficient in the playing of wind and percussion instruments. Participation in both MUSE 330 and MUSE 331 A and B during the same semester permitted. May be repeated.

MUSC 392C MUSE 332. ALL-UNIVERSITY BAND (1). Open to all university students proficient in the playing of wind and percussion instruments. Participation in both A and B during the same semester permitted. May be repeated.

MUSC 393A MUSE 335. MARCHING BAND (1). Open to all university students. Participation in both MUSC 393A MUSE 335 and MUSC 393B MUSE 336 during the same semester permitted. May be repeated.

MUSC 393B MUSE 336. PEP BAND (1). Open to all university students. Participation in both MUSC 393A MUSE 335 and MUSC 393B MUSE 336 during the same semester permitted. May be repeated.

MUSC 394 MUSE 342. UNIVERSITY CHORUS....

MUSC 395 MUSE 345. CONCERT CHOIR....

MUSC 396 MUSE 350. JAZZ ENSEMBLE....

MUSC 397A MUSE 360. NIU PHILHARMONIC (1). Open to all qualified students. May be repeated.

MUSC 397B MUSE 365. CAMPUS STRING ORCHESTRA (1). Open to all qualified students. May be repeated.

MUSC 398A MUSE 370. GAMELAN(l). Participation for credit in more than one ensemble during the same semester permitted. Open to non-majors by special consent of the School of Music. May be repeated.

MUSC 398C MUSE 371. AFRICAN ENSEMBLE (1). Participation for credit in more than one ensemble during the same semester permitted. Open to non-majors by special consent of the School of Music. May be repeated.
MUSC 398D MUSE 372. STEEL BAND (1). Participation for credit in more than one ensemble during the same semester permitted. Open to non-majors by special consent of the School of Music. May be repeated.

MUSC 398K MUSE 373. ALL UNIVERSITY STEEL BAND (1). Participation for credit in more than one ensemble during the same semester permitted. Open to non-majors by special consent of the School of Music. May be repeated.

MUSC 398M MUSE 374. TABLA(l). Participation for credit in more than one ensemble during the same semester permitted. Open to non-majors by special consent of the School of Music. May be repeated.

MUSC 171 MUED 171 INSTRUMENTAL TECHNIQUES AND MATERIALS: BRASS....

MUSC 172 MUED 172 INSTRUMENTAL TECHNIQUES AND MATERIALS: PERCUSSION....

MUSC 173 MUED 173 INSTRUMENTAL TECHNIQUES AND MATERIALS: DOUBLE REEDS....

MUSC 174 MUED 174 INSTRUMENTAL TECHNIQUES AND MATERIALS: STRINGS....

MUSC 150 MUED 150 INTRODUCTION TO MUSIC EDUCATION/FIELD EXPERIENCE IN PUBLIC SCHOOLS....

MUSC 176 MUED 176 MUSIC EDUCATION CONVOCATION....

MUSC 275 MUED 275 ELEMENTARY GENERAL MUSIC METHODS .... PRQ: Grade of ...

MUSC MUTC 102 AND MUSC MUTC 104 AND MUSC 175 MUED 150. .... CRQ: MUSC 278

MUED 251

MUSC 277 MUED 277 CLINICAL EXPERIENCE IN ELEMENTARY GENERAL MUSIC .... PRQ: Grade of ...

MUSC MUTC 102 AND MUSC MUTC 104 AND MUSC 175 MUED 150. .... CRQ: MUSC 278

MUED 250

MUSC 371 MUED 371 MIDDLE SCHOOL/JUNIOR HIGH MUSIC METHODS .... PRQ: Grade of ...

MUSC 275 MUED 250. .... CRQ: MUSC 278 MUED 351.

MUSC 372 MUED 372 SECONDARY MUSIC METHODS ....... PRQ: Grade of ...

MUSC MUTC 202 AND Grade of...

MUSC MUTC 204 OR MUSC 267 MUSP 204 OR MUSC 360 MUSP 335 OR

MUSC 371 MUED 350. .... following MUSC MUED 170 OR MUSC MUED 171 OR MUSC MUED 172

OR MUSC MUED 173 OR MUSC MUED 174; .... CRQ: MUSC 278 MUED 351.

MUSC 373 MUED 360 FUNDAMENTALS, PRINCIPLES, AND PRACTICES IN ELEMENTARY MUSIC....
MUSC 375 MUED 375 KEYBOARD METHODS AND MATERIALS

MUSC 377 MUED 377 SEMINAR IN SUZUKI PEDAGOGY

MUSC 378 MUED 351 CLINICAL EXPERIENCE IN MIDDLE SCHOOL/JUNIOR HIGH SCHOOL MUSIC .... PRQ Grade of C or better in MUSC MUTC 202 AND MUSC MUTC 204 AND MUSC 225 MUED 250 .... MUSC 278 MUED 251 CRQ: MUSC 371 MUED 350

MUSC 379 MUED 355 CLINICAL EXPERIENCE IN SECONDARY MUSIC .... PRQ: Grade of C or better in MUSC 202, MUSC 204, MUSC 360, and MUSC 371; minimum NIU cumulative GPA of 2.50; completion of MUSC 378; and admission to teacher certification program. For students in the instrumental music area of study, a grade of C or better in four of the following: MUSC 170, MUSC 171, MUSC 172, MUSC 173, MUSC 174, CRQ: MUSC 372 or consent of instructor. Grade of C or better in MUTC 202, MUTC 204, MUSP 335, and MUED 350; minimum NIU cumulative GPA of 2.50; completion of MUED 351; and admission to teacher certification program. For students in the instrumental music area of study, a grade of C or better in four of the following: MUED 170, MUED 171, MUED 172, MUED 173, MUED 174. CRQ: MUED 352 or consent of instructor.

MUTC 202 AND MUSC MUTC 204 OR MUSP 204 OR MUSP 335 AND MUED 350 AND MUED 351 FOR INSTRUMENTAL PRQ MUED 170 OR MUED 171 OR MUED 172 OR MUED 173 OR MUED 174 CRQ MUED 352

MUSC 381 MUED 381 PEDAGOGY OF SINGING .... CRQ MUSC 344 MUSP 314

MUSC 389 MUED 398 SELECTED STUDIES IN MUSIC: MUSIC EDUCATION

MUSC 477 MUED 477 JAZZ PEDAGOGY

MUSC 480 MUED 480 WIND INSTRUMENT LITERATURE .... PRQ: MUSC 321 MUED 350 AND MUSC 372 MUED 352

MUSC 482 MUED 482 THE MUSIC EDUCATION APPROACHES OF DALCROZE, ORFF, AND KODALY .... PRQ: Grade of C or better in MUSC MUTC 202 AND MUSC 225 MUED 250 AND MUSC MUTC 204 OR MUSP 267 MUSP 204

MUSC 483 MUED 483 COMPUTER TECHNOLOGY IN THE P-12 MUSIC PROGRAM .... PRQ: MUSC 371 MUED 350

MUSC 484 MUED 490 STUDENT TEACHING K-8 .... PRQ: Successful completion of MUSC 275 MUED 250 AND MUSC 374 MUED 350 AND MUSC 372 MUED 352.
MUSC 485  MUED 495  STUDENT TEACHING 6-12  ....  PRQ: Successful ...  MUSC 275  MUED 250
AND  MUSC 321  MUED 350  AND  MUSC 322  MUED 352  ....

MUSC  MUED 489. SEMINAR IN MUSIC EDUCATION (3).

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School of Music (MUSC—)

↓

Major in Music (B.M.)

Core Requirements (20-21)

MUSC 99 - Recital Attendance (0)

MUSC MUTC 101, AND MUSC MUTC 102 - Music Theory I and II (4)

MUSC MUTC 103, AND MUSC MUTC 104 - Aural Skills I and II (2)

MUSC MUTC 201, AND MUSC MUTC 202 - Music Theory III and IV (4)

MUSC MUTC 203, AND MUSC MUTC 204 - Aural Skills III and IV (2)

(Students in the jazz studies area of study must substitute MUSC 266 MUSP 203 and MUSC 267 MUSP 204, Aural Foundations of Improvisation I and II (2), for MUSC MUTC 203, AND MUSC MUTC 204.)

MUSC MUTC 301 - Music Theory V (2),

OR  MUSC MUHL 323 - 20th Century Music (3)

MUSC MUHL 321, AND MUSC MUHL 322 - History and Literature of Music I and II (3)

Emphasis I. Music Education

Requirements in School (83-86)

Core requirements (20-21)

MUSC 275  MUED 150 - Introduction to Music Education/Field Experience in Public Schools (1)

MUSC 276  MUED 176 - Music Education Convocation. (1)

MUSC 275  MUED 250 - Elementary General Music Methods (3)

MUSC 278  MUED 251 - Clinical Experience in Elementary General Music (1)

MUSC 374  MUED 350 - Middle School/Junior High Music Methods (3)

MUSC 372  MUED 352 - Secondary Music Methods (3)

MUSC 378  MUED 351 - Clinical Experience in Middle School/Junior High Music (1)

MUSC 379  MUED 353 - Clinical Experience in Secondary Music (1)

MUSC 484  MUED 490 - Student Teaching K-8 (6)

MUSC 485  MUED 495 - Student Teaching 6-12 Music (6)

One of the following areas of study (37-39)

Instrumental Music (37-38)

MUSC 140A  MUSP 101 - Piano. Secondary: Beginning Group (1)

MUSC 140B  MUSP 102 - Piano. Intermediate Group (1)
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Vocal Music (37-38)

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MUSC 395  MUSE 345 - Concert Choir (1)
Other ensemble courses (2)
MUSC 399A - Senior Recital (0)

Requirements outside School

Special requirements: Students not obtaining a grade of C or better in the general education core competency courses must successfully complete the PRAXIS I test. A minimum NIU cumulative GPA of 2.50 or consent of school is required for enrollment in MUSC 275 MUED 250 and MUSC 371 MUED 350 and MUSC 371 MUED 352 and MUSC 484 MUED 490. Students must also pass a portfolio review.

To be considered for full admission into the music education professional course of study, students must receive a grade of C or better in MUSC 275 MUED 150 and MUSC 275 MUED 250 and maintain a minimum cumulative NIU GPA of 2.50. Admission will be reviewed by means of an interview with music education faculty during the term of enrollment in MUSC 275 MUED 250. Following full admission………of music education.

Emphasis 2. Performance

Keyboard Music (58-60)
200 level private keyboard study (16)
300 level private keyboard study (16)
MUSC 360 MUSP 335 - Conducting I (2)
MUSC 365 MUSP 339 - Accompanying (1)
MUSC MUHL 435 and MUSC MUHL 436 - Organ Literature I and II (4), OR
MUSC MUHL 437 and MUSC MUHL 438 - Piano Literature I and II (4)

Special requirements: Before the senior year, all students in the keyboard area of study must either complete the keyboard skills classes (MUSC 268A and MUSC 268B, MUSP 233) with a grade of C or better or pass a keyboard skills proficiency examination. Requirements for students whose primary keyboard instrument is harpsichord are MUSC MUHL 437, Piano Literature I (2), and other music courses (9).

Vocal Music (58-60)
MUSC 140A MUSP 101 - Piano: Secondary: Beginning Group (1)
MUSC MOB MUSP 102 - Piano: Secondary: Intermediate Group (1)
MUSC MOB MUSP 103 - Piano: Secondary: Advanced Group (2)
MUSC 244 MUSP 214 - Voice: Primary (16)
MUSC 261 MUSP 205 and MUSC 262 MUSP 206 - Diction for Singers I and II (4)
MUSC 344 MUSP 314 - Voice: Primary (16)
MUSC 360 MUSP 335 - Conducting I (2)
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Course work from the following (6)
- MUSC 391 - University Chorus (1)
- MUSE 342 - Concert Choir (1)
- Ensemble courses (6)
- MUSC 399A - Senior recital (0)

Instrumental Music (58-60)
- 200-level private keyboard study (16)
- 300-level private keyboard study (16)
- MUSC 140A - MUSP 101 - Piano: Secondary: Beginning Group (1)
- MUSC 140B - MUSP 102 - Piano: Secondary: Intermediate Group (1)
- MUSC 305 - MUTC 305 - Orchestration (2)
- MUSC 307 - MUTC 307 - Wind and Percussion Scoring (2)
- MUSC 360 - MUSP 335 - Conducting I (2)
- MUSC 364 - MUSP 336 - Conducting II: Instrumental (2)

Course work from the following (17)
- MUSC 304 - Instrumental Ensemble (1)
- MUSC 382 - University Bands (1)
- MUSC 397 - Orchestra (1)
- Other ensemble courses (4)
- MUSC 399A - Senior Recital (0)

Jazz Studies (58-60)
- 200-level private keyboard or instrumental study (8)
- 300-level private keyboard or instrumental study (8)
- MUSC 140G - MUSP 105 - Piano: Secondary: Level 1 Group Jazz Piano (1)
- MUSC 101 - MUSP 106 - Piano: secondary: Level 2 Group Jazz Piano (1)
- MUSC 205 - MUTC 205 - Jazz Theory (2)
- MUSC 230 - MUHL 230 - Jazz Literature (2)
- MUSC 260 - MUSP 160 - Introduction to Jazz Studies (2)
- MUSC 309 - MUTC 309 - Jazz Arranging I (2)
- MUSC 310 - MUTC 310 - Jazz Arranging II (2)
- MUSC 360 - MUSP 335 - Conducting I (2)
- MUSC 367A and MUSC 367B - MUSP 332 and MUSP 333 - Jazz Improvisation I and II (4)
- MUSC 477 - MUED 477 - Jazz Pedagogy (3)

Course work from the following (4-5)
- MUSC 214 - MUTC 211 - Electronic and Computer Music I (2)
SECTION A – Recorded for inclusion in the Undergraduate Catalog

MUSC 400 MUTC 400 - Recording Techniques (3)
MUSC 462 MUSP 462 - Survey of the Music Industry (2)
A world music course (3)
Other music courses (2-3)

MUSC 392 University Bands MUSE 330 - Wind Symphony,
OR MUSE 331 - Wind Ensemble (1),
OR MUSE 332 - All University Band (1),
OR MUSC 397 Orchestra MUSE 360 - NIU Philharmonic (1),
OR MUSE 365 - Campus String Orchestra (4),
MUSC 391U Instrumental Ensemble MUSE 324 Jazz Combo (1),
OR MUSC 396 MUSE 350 Jazz Ensemble (6)
Other ensembles (2)

MUSC 399A - Senior Recital (0)

Note: Ensemble requirements for students whose primary instrument is keyboard are MUSC 301L MUSE 324 Jazz Combo, OR MUSC 306 MUSE 350 Jazz Ensemble (6)f and MUSC 342 MUSE 319 University Chorus, OR MUSC 345 MUSE 345 Concert Choir (2) and MUSC 398 1 or 2 of the following: MUSE 370, MUSE 371, or MUSE 372 (2); ensemble electives (2). Credits earned in fulfilling the ensemble requirements may not be used to fulfill the world music requirement.

Requirements for students whose primary instrument is guitar are MUSC 163 MUSP 107, Guitar Skills I (2)t and MUSC 263 MUSP 207, Guitar Skills II (2)t and MUSC 264 MUSP 208, Guitar Improvisation I (2)t and MUSC 319, Guitar: Primary (6) and MUSC 391U MUSE 324, Instrumental Ensemble: Jazz Combo, OR MUSC 396 MUSE 350, Jazz Ensemble (6)f and MUSC 394 MUSE 342, University Chorus, OR MUSC 395 MUSE 345, Concert Choir (2).

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Major in Music (B.A.)

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Requirements in School (46-48)
MUSC 99 - Recital Attendance (0)
MUSC 101 MUTC 101, AND MUSC 102 MUTC 102 - Music Theory I and II (4)
MUSC 103 MUTC 103, AND MUSC 104 MUTC 104 - Aural Skills I and II (2)
MUSC 201 MUTC 201, AND MUSC 202 MUTC 202 - Music Theory III and IV (4)
MUSC 203 MUTC 203, AND MUSC 204 MUTC 204 - Aural Skills III and IV (2)
MUSC 301 MUTC 301 - Music Theory V (2),
OR MUSC 323 MUHL 323 - 20th Century Music (3)

Requirements in School (46-48)
MUSC 321 MUHL 321, AND MUSC 322 MUHL 322 - History and Literature of Music I and II (6)
Theory and composition and/or history and literature courses (2-3)
Cooperative Education/Internship in Music

Music majors of…….. goals. Accredited experiences include composition and arranging MUSC 113 A, MUSC 390, recording techniques MUSC 113 B, MUSC 390, performance MUSC 163 A, MUSP 463, and a variety of areas within the music industry MUSC 163 B, MUSP 463. Variable S/U credit assigned on……..School of Music.

Interested students should……..School of Music.

All internships are approved……..and resume. These courses may be taken concurrently with or following regular Curricular offerings in the classroom such as MUSC 462 MUSP 462, Survey of the Music Industry.

Other Catalog Change: Pages 316-321, 2011-12 Undergraduate Catalog

Course List

General (MUSC)

99. RECITAL ATTENDANCE
399A. SENIOR RECITAL
399B. SENIOR RESEARCH PROJECT OR COMPOSITION

Music History and Literature (MUHL)

220. INTRODUCTION TO MUSIC
230. JAZZ LITERATURE321. HISTORY AND LITERATURE OF MUSIC I
321. HISTORY AND LITERATURE OF MUSIC I
321. HISTORY AND LITERATURE OF MUSIC II323. 20TH CENTURY
323. 20TH CENTURY MUSIC
326. SURVEY OF WORLD MUSIC
337. CHAMBER MUSIC LITERATURE
338. SELECTED STUDIES IN MUSIC: MUSIC HISTORY AND LITERATURE
421. TOPIC STUDIES IN ETHNOMUSICOLOGY
422. JAZZ HISTORY
426. AMERICAN MUSIC IN THE CONCERT TRADITION
427. AMERICAN MUSIC IN THE FOLK AND POPULAR TRADITIONS
430. SEMINAR IN MUSIC HISTORY AND LITERATURE
431. MUSIC OF SOUTHEAST ASIA
432. MUSIC OF CHINA
433. CHORAL LITERATURE I
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434. CHORAL LITERATURE II
435. ORGAN LITERATURE I
436. ORGAN LITERATURE II
437. PIANO LITERATURE I
438. PIANO LITERATURE II
439. GUITAR LITERATURE

Music Theory and Composition (MUTC)

101. MUSIC THEORY I
102. MUSIC THEORY II
103. AURAL SKILLS I
104. AURAL SKILLS II
200. COMPOSITION: SECONDARY
201. MUSIC THEORY III
202. MUSIC THEORY IV
203. AURAL SKILLS III
204. AURAL SKILLS IV
205. JAZZ THEORY
211. ELECTRONIC AND COMPUTER MUSIC
212. ELECTRONIC AND COMPUTER MUSIC II
300. COMPOSITION: PRIMARY
301. MUSIC THEORY V
305. ORCHESTRATION
307. WIND AND PERCUSSION SCORING
308. CHORAL ARRANGING
309. JAZZ ARRANGING I
310. JAZZ ARRANGING II
311. ELECTRONIC AND COMPUTER MUSIC III
312. ELECTRONIC AND COMPUTER MUSIC IV
313. SOFTWARE SYNTHESIS AND DIGITAL AUDIO PROCESSING
398. SELECTED STUDIES IN MUSIC: MUSIC THEORY
400. RECORDING TECHNIQUES
401. ADVANCED RECORDING PROJECTS
404. SEMINAR IN MUSIC THEORY AND COMPOSITION
412. DEVELOPMENT AND PRACTICE OF ELECTRONIC MUSIC

Music Performance (MUSP)

140A 101. BEGINNING GROUP PIANO
140B 102. INTERMEDIATE GROUP PIANO
140C 103. ADVANCED GROUP PIANO
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140.G 105. LEVEL 1 GROUP JAZZ PIANO
140.T 106. LEVEL 2 GROUP JAZZ PIANO
140.3 107. GUITAR SKILLS I
140.4 108. GUITAR IMPROVISATION I
140.9 110. PIANO: SECONDARY
140.11 111. ORGAN: SECONDARY
140.12 112. HARP: SECONDARY
140.13 113. VIOLIN: SECONDARY
140.15 114. VIOLA: SECONDARY
140.16 115. VIOLONCELLO: SECONDARY
140.17 116. CONTRABASS: SECONDARY
140.18 117. GUITAR: SECONDARY
140.19 118. FLUTE: SECONDARY
140.21 119. OBOE: SECONDARY
140.22 120. CLARINET: SECONDARY
140.23 121. SAXOPHONE: SECONDARY
140.24 122. BASSOON: SECONDARY
140.25 123. TRUMPET: SECONDARY
140.26 124. FRENCH HORN: SECONDARY
140.27 125. TROMBONE SECONDARY
140.28 126. TUBA AND EUPHONIUM: SECONDARY
140.29 127. PERCUSSION: SECONDARY
140.30 128. STEELPAN: SECONDARY
140.32 129. INTRODUCTION TO JAZZ STUDIES
140.33 130. AURAL FOUNDATIONS OF IMPROVISATION I
140.34 131. AURAL FOUNDATIONS OF IMPROVISATION II
140.35 132. DICTION FOR SINGER I
140.36 133. DICTION FOR SINGER II
140.37 134. GUITAR SKILLS II
140.38 135. GUITAR IMPROVISATION II
140.39 136. PIANO: PRIMARY
140.40 137. ORGAN: PRIMARY
140.41 138. HARP: PRIMARY
140.42 139. VIOLIN: PRIMARY
140.52 141. VIOLA: PRIMARY
140.53 142. VIOLONCELLO: PRIMARY
140.54 143. CONTRABASS: PRIMARY
140.55 144. GUITAR: PRIMARY
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<td>CLARINET: PRIMARY</td>
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<td>AFRICAN INSTRUMENTS</td>
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<td>341</td>
<td>CARIBBEAN INSTRUMENTS</td>
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### Ensembles (MUSE)

#### Vocal Ensemble
- 2040 540. WOMEN’S CHORUS
- 2041 341. CHAMBER CHOIR
- 2042 343. OPERA WORKSHOP
- 2043 344. JAZZVOX

#### Instrumental Ensemble
- 2014 315. STRING ENSEMBLE
- 2015 316. WOODWIND ENSEMBLE
- 2016 317. BRASS ENSEMBLE
- 2017 318. PERCUSSION ENSEMBLE
- 2018 319. GUITAR ENSEMBLE
- 2019 320. KEYBOARD ENSEMBLE
- 2020 321. MIXED ENSEMBLE
- 2021 322. NEW MUSIC ENSEMBLE
- 2022 323. EARLY MUSIC ENSEMBLE
- 2023 324. JAZZ COMBO
- 2024 325. LATIN JAZZ ENSEMBLE

#### University Bands
- 2024 330. WIND SYMPHONY
- 2025 331. WIND ENSEMBLE
- 2026 332. ALL-UNIVERSITY BAND

#### Huskie Bands
- 2024A 335. MARCHING BAND
- 2024B 336. PEP BAND
- 204 342. UNIVERSITY CHOIR
- 205 345. CONCERT CHOIR
- 206 350. JAZZ ENSEMBLE

#### Orchestra
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397A 360. NIU PHILHARMONIC
397B 365. CAMPUS STRING ORCHESTRA

World Music Ensemble
208A 370. GAMELAN
208C 371. AFRICAN ENSEMBLE
208D 372. STEEL BAND
208K 373. ALL UNIVERSITY STEEL BAND
208M 374. TABLA

Music Education (MUED)
150. INTRODUCTION TO MUSIC/FIELD EXPERIENCE IN PUBLIC SCHOOLS
170. INSTRUMENTAL TECHNIQUES AND MATERIALS: FLUTE, CLARINET, AND SAXOPHONE
171. INSTRUMENTAL TECHNIQUES AND MATERIALS: BRASS
172. INSTRUMENTAL TECHNIQUES AND MATERIALS: PERCUSSION
173. INSTRUMENTAL TECHNIQUES AND MATERIALS: DOUBLE REEDS
174 INSTRUMENTAL TECHNIQUES AND MATERIALS: STRINGS
176. MUSIC EDUCATION CONVOCATION
225 250. ELEMENTARY GENERAL MUSIC METHODS
228 251. CLINICAL EXPERIENCE IN ELEMENTARY GENERAL MUSIC
321 350. MIDDLE SCHOOL/JUNIOR HIGH MUSIC METHODS
328 351. CLINICAL EXPERIENCE IN MIDDLE SCHOOL/JUNIOR HIGH SCHOOL MUSIC
322 352. SECONDARY MUSIC METHODS
329 353. CLINICAL EXPERIENCE IN SECONDARY MUSIC
477 360. FUNDAMENTALS, PRINCIPLES, AND PRACTICES IN ELEMENTARY MUSIC
375. KEYBOARD METHODS AND MATERIALS
377. SEMINAR IN SUZUKI PEDAGOGY
381. PEDAGOGY OF SINGING
480. SELECTED STUDIES IN MUSIC: MUSIC EDUCATION
477. JAZZ PEDAGOGY
480. WIND INSTRUMENT LITERATURE
482. THE MUSIC EDUCATION APPROACHES OF DALCROZE, ORFF AND KODALY
483. COMPUTER TECHNOLOGY IN THE P-12 MUSIC PROGRAM
484 490. STUDENT TEACHING K-8
485 495. STUDENT TEACHING 6-12
489. SEMINAR IN MUSIC EDUCATION

School of Theatre and Dance
THEA 215. FUNDAMENTALS OF STORYTELLING. .... PRQ: THEA 214.

MUSC MUHL 220 – Introduction to Music (3)