SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

COLLEGE OF EDUCATION

Department of Literacy and Elementary Education

Course Deletion

LTLA 430. CONTEMPORARY LANGUAGE ARTS (3)

Course Revisions

LTLA 341. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3). Development of … … materials. PRQ: GPA of at least 2.75, junior standing, and successful completion of the ICTS Test of Academic Proficiency or equivalent ACT waiver.

LTRE 300. ELEMENTARY SCHOOL DEVELOPMENTAL READING PROGRAMS (3). Development of … … development. PRQ: Elementary education and special education major, GPA of at least 2.75, at least sophomore standing, and successful completion of the ICTS Test of Academic Proficiency or equivalent ACT waiver.

TLEE 344. TEACHING SCIENCE IN THE ELEMENTARY SCHOOL (3). The application of … … in the elementary program (K-9/6). Emphasis … ….

Other Catalog Change

Department of Literacy and Elementary Education

The Department of Literacy and Elementary Education offers … …, English as a second language, social studies education, science education, elementary teacher education, and multicultural education.

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

Special Requirements

Students must receive conditional admission to teacher education and be fully or conditionally admitted to elementary education prior to enrollment in TLEE 382, Clinical Experience in Elementary School Curriculum and Instruction.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Department of Industrial and Systems Engineering
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

Course Revisions

439. SIX SIGMA PERFORMANCE EXCELLENCE (3). The Six Sigma Formula … …. PRQ: ISYE 335 or STAT 335, or UBUS 223.

480. SIMULATION MODELING AND ANALYSIS (3). … …. PRQ: ISYE 335, or STAT 350, or UBUS 223 and CSCI 240, and ISYE 371; or consent of department.

Other Catalog Change

Major in Industrial and Systems Engineering (B.S.)

Emphasis 2. Manufacturing Systems

Requirements in Department (45)

ISYE 335 – Probability and Statistics for Engineering Engineers (3)

Emphasis 3. Engineering Management

Requirements outside Department (48-52)

ELE 210 – Engineering Circuit Analysis (3)

OR TECH 175 – Electronic Fundamentals (3) AND TECH 175A -Electronic Fundamentals Laboratory (1)

*MATH 229 – Calculus I (4)

Department of Technology

Course Revisions

411. GREENING INDUSTRIAL OPERATIONS ENVIROMENTAL SUSTAINABILITY PRACTICES FOR INDUSTRIAL OPERATIONS (3). … …. PRQ: TECH 245 or TECH 305 or consent of department.

437. FUNDAMENTALS OF INDUSTRIAL HYGIENE (3). Application of principles of industrial (or occupational) hygiene for the safety specialist, whose role has been greatly expanded by recent federal legislation and current industry practices. Emphasis on recognition and evaluation of stress-producing conditions in the workplace including chemical exposure, noise, ventilation, temperature, radiation, lighting, and their effect on human performance and productivity. PRQ: CHEM 110, CHEM 111, MATH 155 with a C or better, TECH 231, and TECH 434; or consent of department.
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

Other Catalog Change

Department of Technology (TECH)
  ↓
Major in Technology (B.S.)
  ↓
Emphasis 6. Energy and Environmental Technology

Requirements in Department (58-59)
  ↓
TECH 411 – Greening Industrial Operations: Environmental Sustainability Practices for Industrial Operations (3)

COLLEGE OF HEALTH AND HUMAN SCIENCES

All University Section

Inter-College and University-Wide Interdisciplinary Courses

Course Revision

Gerontology
IDSP 465. ISSUES IN GERONTOLOGY (3). Interdisciplinary examination of aging and the older adult population. Includes physiological, psychosocial, health, and health promotion aspects of aging. PRQ: Senior standing or consent of gerontology program director.

[Note: This course is not being deleted from the catalog, it is moving to the College of Health and Human Science section, renumbered as UHHS 465.]

All College Section

Course Revision

UHHS 465. ISSUES IN GERONTOLOGY (3). Interdisciplinary examination of aging and the older adult population. Includes physiological, psychosocial, health, and health promotion aspects of aging. PRQ: Junior standing or consent of gerontology program director.

[Note: This course is not new, it is moving to the College of Health and Human Science section from the Inter-College and University-Wide Interdisciplinary Courses section, renumbered from IDSP 465.]
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

466. TOPICS IN GERONTOLOGY (3). Exploration of current … … changes. PRQ: IDSP UHHS 465 and junior standing or consent of college.

467. FIELDWORK IN GERONTOLOGY (3). Application of … … semester hours. PRQ: IDSP UHHS 465 and junior standing or consent of college.

Other Catalog Change

B.G.S. Degree
↓
B.G.S. Requirements (50)
↓
IDSP UHHS 465 - Issues in Gerontology (3)
↓
Minor in Gerontology (15)
↓
Primary Content Area (9-12)
IDSP UHHS 465 - Issues in Gerontology (3)
↓
Certificates on Undergraduate Study
↓
Core Courses (6)
IDSP UHHS 465 - Issues in Gerontology (3)
↓

School of Allied Health and Communicative Disorders

Course Revision

COMD 325. INTRODUCTION TO HEARING AND SPEECH SCIENCE (4). Physical acoustics, … … analysis of speech. PRQ: BIOS 109 or BIOS 357; COMD 221; and MATH 155 or MATH 210; and PHYS 150 or PHYS 180 or PHYS 210; and COMD 221. CRQ: COMD 323.

Other Catalog Change

Major in Communicative Disorders (B.S.)
↓
Requirements outside School (18-21)
↓
One of the following (3)
IDSP UHHS 465 - Issues in Gerontology (3)

School of Family, Consumer and Nutrition Sciences
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

New Course Page 174, 2014-15 Undergraduate Catalog

CIP Code: 51.3101

Nutrition, Dietetics, and Hospitality Management

430. DATA ANALYSIS FOR THE HOSPITALITY INDUSTRY (3). Designed to acquaint students with a variety of data, including the hotel industry performance reports and restaurant industry operations report, that can be turned into useful information for sound hospitality decision making. PRQ: FCNS 425\(^{2}\) and MATH 210 or MATH 211.

Course Revision Page 169, 2013-14, Undergraduate Catalog

General

↓

431. INTERNSHIP IN FAMILY SOCIAL SERVICES (1-15).
A. Child Development
B. Family Social Services
C. Hospitality Administration (CHHS Mtg #8, 10/18/13)
D. Family and Consumer Sciences Education
E. Nutrition and Dietetics

Supervised participation in professional settings. Students will be assigned to experiences appropriate to their professional interest in family social services. May be repeated to a maximum of 15 semester hours. When taken in conjunction with FCNS 356, Cooperative Education II for Family Social Services, total enrolled credit hours in both courses may not exceed 15 hours. S/U grading may be used. See special requirements as may apply to internships according to major.

[Note: This was approved at the 9/11/14 CUC meeting, but the revision to FCNS 356 was not approved until the 10/9/14 CUC meeting.]

Course Revision Page 172, 2014-15 Undergraduate Catalog

Course List

General Fashion Merchandising

↓

256. COOPERATIVE EDUCATION I FOR FASHION MERCHANDISING (1-3).
A. Child Development
B. Family Social Services
C. Nutrition, Dietetics, and Hospitality Administration
D. Family and Consumer Sciences Education
E. Textiles, Apparel, and Merchandising

Cooperative work experience for students in family, consumer, and nutrition sciences. fashion
merchandising. Participation and work site must be approved by the school and the cooperative education program coordinator. S/U grading. PRQ: Declared or pre-major fashion merchandising major.

↓

356. COOPERATIVE EDUCATION II FOR FASHION MERCHANDISING (1-3).
A. Child Development
B. Family Social Services
C. Nutrition, Dietetics, and Hospitality Administration
D. Family and Consumer Sciences Education
E. Textiles, Apparel, and Merchandising

Advanced cooperative work experience for students in family, consumer, and nutrition sciences fashion merchandising. Participation and work site must be approved by the school and the cooperative education program coordinator. Enrollment is restricted to students participating in a second course experience or equivalent. S/U grading. May be repeated to a maximum of 6 semester hours. PRQ for A-D: FCNS 256 or equivalent, declared major, and consent of school. PRQ for E: FCNS 152 with a grade of C or better and FCNS 258 with a grade of C or better, an overall GPA of 2.00 or above, declared fashion merchandising major.

[Note: These courses are moving out of the “General” area and into the “Fashion Merchandising” (formerly Textiles, Apparel, and Merchandising) area.]

Course Revision Page 175-176, 2014-15 Undergraduate Catalog

Textiles, Apparel and Fashion Merchandising

367. COMPUTER APPLICATIONS FOR TEXTILES, APPAREL, AND FASHION MERCHANDISING (3). Exploration of computers and software applications used in textiles, apparel, and fashion merchandising. Emphasis on how computer technology impacts the fashion merchandising industry. PRQ: FCNS 353.

457. PROFESSIONAL DEVELOPMENT FOR APPAREL MERCHANDISING (3). Exploration of career … Job search strategies and skills for students majoring in textiles, apparel, and fashion merchandising. … …..

474. TEXTILES, APPAREL, AND FASHION MERCHANDISING INTERNSHIP (7). … …..

Course Revision Page 176, 2014-15 Undergraduate Catalog

Family and Child Studies

437. PARENT-CHILD INTERACTION FROM BIRTH TO 8 YEARS (3). Parent-child … …. education and involvement. PRQ: FCNS 230 or EPS 304 or PSYC 324, or FCNS 280 or PSYC 225, and FCNS 284.
484. FAMILY THEORIES (3). Micro and … … life education. PRQ: FCNS major, FCNS 280 or PSYC 225, and FCNS 284, and at least junior standing.

Other Catalog Change

Major in Textiles, Apparel, and Merchandising (B.S.)
↓
Requirements in School (30-34)
↓
FCNS 474 – Textiles, Apparel, and Fashion Merchandising Internship (7),
OR FCNS 356E 397 – Cooperative Education II: for Textiles, Apparel, and Fashion Merchandising (3)

* Available for general education credit
1 When topic is related to textiles, apparel, and fashion merchandising.

↓
Special Requirements
Students must earn a grade of C or better in FCNS 152 and FCNS 258 before they can enroll in any FCNS course requiring either FCNS 152 or FCNS 258 as a prerequisite or in any textiles, apparel, and fashion merchandising elective or 400-level course.
↓
Minor in Textiles, Apparel, and Merchandising (19)
↓
One additional course is required from the upper-level courses in textiles, apparel, and fashion merchandising (3)
↓
Course List
↓
Textiles, Apparel and Fashion Merchandising

School of Nursing and Health Studies

Other Catalog Changes

Major in Public Health (B.S.)
↓
Emphasis 1. General Public Health
↓
Requirements outside School (9)
↓
IDSP UHHS 465 - Issues in Gerontology (3)
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

B.S. in Public Health Degree Completion Program
↓
Emphasis 2. Health Administration
↓
Requirements outside School (27-31)
↓
SOCI 356 - Health, Aging, and Society (3),
↓
OR IDSP UHHS 465 - Issues in Gerontology (3)
↓
Emphasis 4. Health Promotion
↓
Requirements outside School (12)
↓
SOCI 356 - Health, Aging, and Society (3),
↓
OR IDSP UHHS 465 - Issues in Gerontology (3),

COLLEGE OF LIBERAL ARTS AND SCIENCES

Other Catalog Change Page 196, 2014-15 Undergraduate Catalog

Minor in Global Studies
↓
Global Politics Studies
↓
HIST 435 – Stalin and Stalinism (3)
↓

Department of Biological Studies

Course Revisions Page 217, 2014-2015 Undergraduate Catalog

406. CONSERVATION BIOLOGY (4). … … PRQ: BIOS 316 or BIOS 317 or ENVS 301 and ENVS 302.

413. MICROBIAL PHYSIOLOGY (4). … … PRQ: BIOS 313. CRQ: CHEM 330 or CHEM 336.

Department of Chemistry and Biochemistry

Course Revisions Page 223, 2014-15 Undergraduate Catalog
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

230. INTRODUCTORY ORGANIC CHEMISTRY (3). Beginning organic … … to provide a one-year sequence in general and organic chemistry. PRQ: CHEM 110.

338. ORGANIC CHEMISTRY LABORATORY I (1). … …. CRQ: CHEM 330 or CHEM 336 or consent of department.

422. ANALYTICAL SEPARATIONS (3). … …. PRQ: CHEM 441 and CHEM 425, or consent of department.

440. PHYSICAL CHEMISTRY I (3). … … PRQ or CRQ: CHEM 442.

441. PHYSICAL CHEMISTRY II (3). … …. PRQ or CRQ: CHEM 443.

445. KINETICS (3). … …. PRQ: Consent of department.

474. ENZYMES (3). … …. PRQ: CHEM 470 or consent of department. Recommended: CHEM 445.

475. PHYSICAL CHEMISTRY OF MACROMOLECULES (3). … …. PRQ: CHEM 441 or consent of department.

499. HONORS RESEARCH (1-6). … ….

Other Catalog Change Page 221, 2014-15 Undergraduate Catalog

Emphasis 1. Chemistry

Requirements in Department (43-44)

CHEM 498 – Research (1-62) or CHEM 499 – Honors Research (1-62).

Students must take 2 credit hours in either CHEM 498 or CHEM 499H.

Electives chosen with the advice of the chemistry faculty from CHEM 340, 400, 400+level classes excluding classes numbered 490 to 497 or an appropriate advanced course in mathematics or physics (3-4)

Other Catalog Change Page 222, 2014-15 Undergraduate Catalog

Emphasis 2. Biochemistry

Requirements in Department (42)
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

CHEM 498 – Research (1-62),
OR CHEM 499 – Honors Research (1-62)

Students must take 2 credit hours in either CHEM 498 or CHEM 499H.

Recommendations
Students are encouraged to take at least one of the following:

CHEM 462 – Inorganic Chemistry of the Main Group Elements (3)
CHEM 498 – Research (1-62)
OR CHEM 499H – Research (1-62)

Students must take 2 credit hours in either CHEM 498 or CHEM 499H.

AND CSCI 230 – Computer Programming in FORTRAN (4)

CSCI 230 – Computer Programming in FORTRAN (4)

Emphasis 3. Secondary Teaching

Requirements in Department (52-58)

Electives chosen from CHEM 339 and 400-level courses (4-9)

Emphasis 4. Chemistry for Pre-Professional Studies

Requirements in Department (32-33)

CHEM 470 – General Biological Chemistry (3),
and two electives chosen from CHEM 438 and 400-level classes excluding classes numbered 490 to 497 (6-7),

OR CHEM 472 AND CHEM 473 – Biological Chemistry I and II (6–Biological Chemistry I (3)
AND CHEM 473 – Biological Chemistry II (3)
and one elective chosen from CHEM 438 and 400-level classes excluding classes numbered 490 to 497 (3-4)

No more than 3 semester hours of CHEM 498/CHEM 499H, Research, will be counted toward requirements in department.

Minor in Chemistry (19)

Electives from chemistry courses numbered CHEM 325 and above, excluding CHEM 370 (11)
No more than 3 credits of CHEM 498/499 may be applied toward the Minor in Chemistry. A minimum of 9 hours of the electives must be completed at NIU.

Department of Economics

New Course Page 241, 2014-15 Undergraduate Catalog

CIP Code: 45.0601

371. HEALTH ECONOMICS (3). Applies microeconomic analysis to the behavior of individuals, health care providers, managed care organizations, insurers, pharmaceutical firms, and government to strengthen students’ understanding of the health care system and health care policy. PRQ: ECON 260.

372. INCOME DISTRIBUTION AND POVERTY (3). An introductory survey of income distribution and poverty, with emphasis on conditions in the United States, past and present. Understanding the link between inequality and the performance of an economy is an integral part of understanding the very process of development and the effects of different policies. This course is designed to introduce you to the complex issues facing policy makers. PRQ: ECON 260.

373. ECONOMICS AND EQUITY (3). How different forms of economic activities, policies, and methods of government resource allocations affect the distribution of welfare, income, and resources across and among various groups of people and businesses. Understanding how to measure and analyze the poverty, discrimination, equity, and efficiency effects of government programs will also be explored. PRQ: ECON 260 and ECON 261.

374. GAME THEORY (3). Game theory concerns an analysis of decision makers who are aware that their actions and any assumptions made by others about their actions, will affect the actions of those others. In the last 25 years, game theory has become the core of economic theory, both micro and macro. This course will provide students with an introduction to the tools of game theory, and show the usefulness of this approach by analyzing several examples. PRQ: ECON 260.

375. INDUSTRIAL ECONOMICS (3). Theoretical aspects of Industrial Organization (IO), is the field of economics that studies the structure of markets and the behavior of firms. This class will cover both the theoretical aspects of IO as well as empirical examples that come from “real life” business practice. Another focus on will be industry policies and regulations. Some of the topics include: Theory of the firm and market structure, monopoly practice, oligopoly and collusion, entry deterrence, product differentiation, advertising, and industry regulation. PRQ: ECON 260.

Department of English
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

Course Deletions

Pages 248-249, 2014-15 Undergraduate Catalog

Literature Courses

205. SURVEY OF ENGLISH LITERATURE I (3)
206. SURVEY OF ENGLISH LITERATURE II (3)
306. READING DRAMA (3)

Course Revisions

2014-15 Undergraduate Catalog

Writing Courses

102. COMPOSITION SKILLS (3). … …. Does not count as credit for graduation. S/U grading.

Literature Courses

332. AMERICAN LITERATURE: 1860-1920 (3). Includes such writers as Dickinson, Twain, James, Chopin, Chesnutt, and Wharton and Cather.


Other Catalog Change

Pages 244, 2014-15 Undergraduate Catalog

Track 1. English Studies

Requirements in Department (39)

↓
ENGL 300A, ENGL 300B, OR ENGL 300C – Advanced Essay Composition (3)
OR ENGL 308 – Technical Writing

One of the following:

↓
ENGL 321 - Structure of Modern English (3)
ENGL 322 - Language in American Society (3)
ENGL 432 - Topics in General Linguistics (3)

↓
Two of the following including one of ENGL 330, ENGL 331, ENGL 332, or ENGL 375 (6)

↓
ENGL 332 - American Literature: 1860-1920 (3)
ENGL 333 - American Literature: 1920-1960 (3)

↓
Track 2. English Studies Leading to Secondary Licensure in English Language Arts
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One of the Following (3)

- ENGL 332 - American Literature: 1860-1920 (3)
- ENGL 375 – The American Novel (3)

One of the Following (3)

- ENGL 333 – American Literature: 1920-1960 (3)
- ENGL 334 – American Literature: 1960-Present (3)

Track 3. English Studies in Writing

Students majoring in English Studies may also earn the Certificate of Undergraduate Study in Creative Writing.

Requirements in Department (39)

Two of the following (6)

- ENGL 398 – Topics in the Practice and Theory of Composition (3-6)
- ENGL 496 – Internship in Writing, Editing, or Training (1-3)

Two other ENGL literature courses not listed above at the 300-400 level, selected from the above courses not used to fulfill area requirements and/or from other English courses (6)

Environmental Studies

New Course

Page 255, 2014-15 Undergraduate Catalog

CIP Code: 03.0103


Course Revision

Page 255, 2014-15 Undergraduate Catalog

302. ENVIRONMENTAL SCIENCE II: BIOLOGICAL SYSTEMS (3). … PRQ: ENVS 301.

Other Catalog Change

2014-15 Undergraduate Catalog

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

Emphasis 2. Energy Studies (34)

Requirements outside Environmental Studies (13)

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

TECH 411 – Greening Industrial Operations
Environmental Sustainability Practices for Industrial Operations (3)

Other Catalog Change

Page 252, 2014-15 Undergraduate Catalog

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

Emphasis 2. Energy Studies (34)

Requirements outside Environmental Studies (13)

ENVS 315/GEOG 315X - Geography of Energy (3)
GEOG 453 - Environmental Management (3)
ISYE 421 - Introduction to Green Engineering (3)
PHYS 210 - General Physics I (4)
OR PHYS 253 - Fundamentals of Physics I: Mechanics (4)
TECH 484 - Energy Management (3)

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

ISYE 421 - Introduction to Green Engineering (3)
ISYE 453 - Integrated Product and Process Design (3)

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

CHEM 427 – Environmental Chemistry (3)
ENVS 315/GEOG 315X - Geography of Energy (3)
OR GEOG 315X – Geography of Energy (3)
GEOG 256 - Maps and Mapping (3)

Department of Foreign Languages and Literatures

Minor in Russian (24)

Other Catalog Change

Page 259, 2014-15 Undergraduate Catalog
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Three elective to be chosen from the following; one must be from FLRU (9):

- HIST 337 – History of Russia: 1682-1917 Russian Empire to 1917 (3)
- HIST 338 – History of Russia: 1917-Present The Soviet Union and Beyond (3)
- HIST 434 – The Russian Revolution (3)
- HIST 435 – Stalin and Stalinism (3)

Department of Geology and Environmental Geosciences

Course Revisions

401. THIRD CLINICAL HIGH SCHOOL/MIDDLE SCHOOL EXPERIENCE IN EARTH AND SPACE SCIENCE THE SECONDARY EARTH SCIENCE TEACHER (4 2). … …

482. TRANSITION TO THE PROFESSIONAL EARTH AND SPACE SCIENCE TEACHER (4 2).

487. STUDENT TEACHING (SECONDARY) IN THE GEOLOGY/ HIGH SCHOOL/MIDDLE SCHOOL EARTH AND SPACE SCIENCE (7-12 10). … …

Other Catalog Change

Emphasis 3. Earth Science Education

Requirements in Department (40-41 33)

- GEOL 103 – Planetary and Space Science (3)
  - OR *PHYS 162 – Elementary Astronomy (3)
- GEOL 120 – Introductory Geology (3)
  - AND GEOL 121 – Introductory Geology Laboratory (1)

GEOL 401 – The Secondary Earth Science Teacher Third Clinical High School/Middle School Experience in Earth and Space Science (4 2)

GEOL 429 – Inquiry-Based Field Experiences for Earth Science Teachers (3)

GEOL 475 – Science Across Time and Culture (2)

GEOL 483 – Interdisciplinary Teaching of the Science in Secondary Education (3)

One of the following areas of study (15-16)

Additional Requirements for Earth and Space Science Education (12 6)

- GEOL 103 – Planetary and Space Science (3)
  - OR *PHYS 162 – Elementary Astronomy (3)
- GEOL 429 – Inquiry Based Field Experiences for Earth Science Teachers (3)
One of the following
GEOL 344X – Astronomy (3)
↓
GEOL 496 – Geophysics (3)
Upper-division course work … meteorology, or astronomy (3)

**Total Requirements in Department (39)**

**Environmental Science (12-13)**
BIOS 106 – Environmental Biology (3)
↓
One of the Following
  * ECON 386 – Environmental Economics (3)
  * SOCI 364 – Environmental Sociology (3)

**Requirements outside Department (43-49 46-52)**
BIOS 208 - Fundamentals of Cellular Biology (3)
AND BIOS 210 - Fundamentals of Cellular Biology Laboratory (1)
BIOS 209 - Fundamentals of Organismal Biology (3)
AND BIOS 211 - Fundamentals of Organismal Biology Laboratory (1)
ETT 402 – Teaching and Learning with Technology (3)
*GEOG 105 – Introduction to the Atmosphere (3)
*CHEM 210 – General Chemistry I (3)
AND *CHEM 212 – General Chemistry Laboratory I (1)
*CHEM 211 – General Chemistry II (3)
AND *CHEM 213 – General Chemistry Laboratory II (1)
EPS 406 - Issues in Human Development and Learning in the Middle School and High School Years (3)
ETT 402 - Teaching and Learning with Technology (3)
*GEOG 105 - Introduction to the Atmosphere (3)
ILAS 201 - Introductory Clinical Experience (1)
ILAS 301 - Second Clinical Experience (2)
*MATH 229 - Calculus I (4),
OR *MATH 155 - Trigonometry and Elementary Functions (3), AND MATH 211 - Calculus for Business and Social Science (3), AND STAT 301 - Elementary Statistics (4)
*MATH 210 – General Physics I (4),
AND *PHYS 211 – General Physics II (4),
OR PHYS 253 – Fundamentals of Physics I: Mechanics (4),
AND *PHYS 273 – Fundamentals of Physics II: Electromagnetism (4)
BIOS 208 – Fundamentals of Biology I (3),
AND BIOS 210 – Fundamentals of Biology Laboratory (1)
BIOS 209 – Fundamentals of Biology II (3),
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AND BIOS 211 – Fundamentals of Biology II Laboratory (1)
ILAS 201 – Introductory Clinical Experience (1)
ILAS 301 – Second Clinical Experience (1-2)
MATH 229 – Calculus I (4),
OR MATH 155 – Trigonometry and Elementary Functions (3),
AND MATH 211 – Calculus for Business and Social Science (3),
AND STAT 301 – Elementary Statistics (4)
PSYC 102 – Introduction to Psychology (3)
SESE 457 – Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)
One course approved for use in the department’s teacher preparation programs in each of the following areas (6)
EPS 406 – Educational Psychology (3)
SESE 457 – Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)

Total Hours for Emphasis 3, Earth Science Education: 79-87 85-91

↓ Educator Licensure
Students seeking initial licensure either in earth and space science or in environmental science to teach in grades 6-12 (Standard High School Licensure) must schedule … … plan of study.

Students seeking licensure usually will also major in geology and environmental geosciences. Because licensure requires … … completion of the program.

Students seeking licensure will also major in geology and environmental geosciences unless they already hold a baccalaureate or higher degree in that discipline.

Students are responsible for timely submission of the several applications and permits required during the program.

Undergraduate geology majors may apply for admission to teacher educator licensure in Earth and Space Science at the end of their sophomore year, except in the case of transfer students who normally apply at the end of their first semester at NIU.

The program of courses for meeting licensure requirements must be approved by the departmental licensure coordinator each semester before registering. Students are responsible for timely submission of the several applications and permits required during the program.

Students transferring … … departmental licensure coordinator.
Students who already possess the a baccalaureate or higher degree and wish to pursue licensure without becoming a candidate for a degree should consult with the geology licensure adviser as early as possible to plan a course of study.

Admission Requirements
Students will be admitted to the licensure program when they have:

- Submitted an Application in writing to the departmental licensure coordinator.
- Completed *COMS 100, *ENGL 103, *ENGL 104, *MATH 155, PSYC 102 with a grade of C or better (higher numbered courses may be substituted, if approved by the coordinator); *ILAS 301; and 16 semester hours in geology and environmental geosciences courses numbered 300 and above; and a passing score on the ICTS Test for Academic Proficiency.
- Earned a passing score on the ICTS TAP (formerly Basic Skills) Test.
- Earned a minimum GPA of 2.50 in all work at NIU.
- Earned a minimum combined GPA of 2.70 in NIU courses in physical and biological sciences and mathematics.
- Completed a satisfactory interview with...to the professional educator.
- Obtained approval from the department’s office of teacher licensure.

Retention Requirements
Students admitted to the program must maintain the GPA requirements and complete a satisfactory review of progress each semester with the department’s office of teacher licensure of 2.50 in all work at NIU.

A grade of C or better is required in all coursework listed for the Earth Science Education degree and teacher licensure:

- Minimum combined GPA of 2.70 in NIU courses numbered 200 and above in physical and biological sciences and mathematics.
- Passing score on the ICTS Content Area Test prior to student teaching.

Completion Requirements
Earth and Space Science Educator Licensure
All retention requirements listed above in Emphasis 3, Earth and Space Science Education and the following:
- Clinical hours to be completed in ILAS 201, ILAS 301 and GEOL 401.
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†
GEOL 475 – Science Across Time and Culture (2)
GEOL 482 – Transition to the Professional Earth and Space Science Teacher († 2)
GEOL 483 – Interdisciplinary Teaching of Science in Secondary Education (3)
GEOL 487 – Student Teaching (Secondary) in Geology/High School/Middle School Earth and Space Science (7–12 10)
GEOL 495X – Teaching of Physical Sciences (3)
LTIC 420 – Methods and Materials for Teaching English to Speakers of Other Languages in Content Areas (3)

8 semester hours each in college chemistry, physics, and biological sciences
†
3 semester hours of educational psychology focusing on the middle and high school student

Except in unusual circumstances GEOL 401 and GEOL 495X must be taken in the semester immediately prior to enrollment in GEOL 487 and students are admitted to GEOL 487 only upon successful completion of the coursework required for graduation and licensure. In addition, students must pass the ICTS-ILTS Subject Matter test before student teaching.

The State of Illinois has established course- and standards-based requirements for licensure. Approved licensure programs must have requirements that meet or exceed the state requirements. A list of the current state minimum requirements is available for the Illinois State Board of Education web page.

Environmental Science Educator Licensure
All retention requirements listed above.
†
3 semester hours of educational psychology focusing on the middle and high school student

The State of Illinois has …… standards.

Current requirements …… teaching standards.

Contact the …… requirements.

For extra …… certification coordinator.

Department of History

Course Deletions Page 285, 2014-15 Undergraduate Catalog

366. AMERICAN THOUGHT AND CULTURE TO 1865 (3).
367. AMERICAN THOUGHT AND CULTURE SINCE 1865 (3).
SECTION A – Recorded for inclusion in the 2015-16 Undergraduate Catalog

New Courses

CIP: 54.0101

366. FARMS, FOOD, AND RURAL AMERICA (3). Introduction to the history of United States agriculture from the colonial period through today. Topics include adoption of technologies, crop choices, commodity markets, political affiliations, interactions within agricultural communities, relationship to governments, impact on the environment, and development of industrialized agriculture.

367. U.S. LGBT HISTORY (3). Formation of modern lesbian, gay, bisexual, and transgender (LGBT) identities, political movements, cultures, and communities in the United States from the 17th to 21st centuries. Topics include the shifting line between “normal” and “queer” sexualities and gender identities as well as average and influential LGBT Americans.

456. ANCIENT MEDITERRANEAN (3). History of the ancient Mediterranean world to c. 700 CE. Topics include rise of agriculture, cities, and navigation; palace and temple societies, city-states, tribal groups; the formation of maritime empires, and kingdoms; and unification under the Roman Empire until its “fall.”

Course Revisions

337. HISTORY OF RUSSIA: 1682–1917 RUSSIAN EMPIRE TO 1917 (3). Political, social, economic, and cultural history of the rise of the westernized history of the Russian state Empire from the principality of Muscovy to the destruction collapse of the Romanov monarchy in 1917. Emphasis on the peasantry, class relations, gender, women, and empire building. Topics include imperial expansion, cultural identities, and social relations.


434. THE RUSSIAN REVOLUTION (3). Causes and consequences of the Bolshevik triumph in the Russian Revolution. History of Russia’s revolutionary upheavals in the early 20th century. Emphasis on the multiple and conflicting ways that participants and scholars have sought to make sense of the revolution, conflict of historical forces and personalities in the three revolutions between 1905–1917, and on the international context.

435. STALIN AND STALINISM (3). Stalin’s role as a revolutionary before 1917, his career to his death in 1953, and his legacy in Russia today. Focus on the political, economic, cultural, and
moral issues associated with Stalin’s rule over the Soviet Union. History of the Soviet Union under the dictatorship of Joseph Stalin, 1928-1953. Topics include rapid industrialization, collectivization, state terror, communist culture, the gulag, World War II, and the early Cold War.

Changes to programs re: this revision have been made.

Other Catalog Change Page 282, 2014-15 Undergraduate Catalog

Major in History (B.A. or B.S.)

Group A: (HIST 300, HIST 301, … HIST 422, HIST 485, HIST 458, … HIST 490B)

Other Catalog Change Pages 283, 2014-15 Undergraduate Catalog

History Honors Program

To graduate “With Honors in History,” … … language training, internships, taking a graduate course as an undergraduate, or other experience) that will substitute … … Undergraduate Studies.