COLLEGE OF EDUCATION

Department of Special and Early Education

APASC New Course

Undergraduate Catalog

CIP Code: 13.1017

CIP Code: SESE 418. EARLY FIELD EXPERIENCE IN SPECIAL EDUCATION: ELEMENTARY, MILD DISABILITIES (2). Supervised field experience in special education. Emphasis on instruction of students with mild disabilities in the elementary or middle grades, urban schools, culturally responsive instruction, and response to intervention programs. S/U grading. PRQ: SESE 370; Admission to teacher education program, passing score on TAP or equivalent, GPA of 2.5 or better, criminal background check, TB test, and other district and university requirements. CRQ: SESE 415, 416, 417, 419, and ETR 434.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Environmental Studies

APASC Other Catalog Change

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Environmental Studies (ENVS)

Emphasis 7. Educator Licensure - Environmental Science (95)

Students must complete a program of study approved by the Director of the Environmental Science licensure program designed to provide a broad background in the discipline and meet the requirements for an undergraduate major in Environmental Sciences at NIU. Students pursuing secondary science teacher licensure in environmental science must have a grade of C or better in all course work specifically required for licensure. This includes all environmental science, biology, chemistry, physics, and math courses, pedagogy, and written communication, oral communication, and psychology general education classes.

Admission and Retention Requirements

Candidates must submit an application in writing to the Director of the Environmental Science licensure program.
SECTION B – Recorded, but further approval needed before inclusion in the Undergraduate Catalog

Undergraduates must have a GPA of 2.50 in all work at NIU. Candidates must also have a minimum combined GPA of 2.70 in NIU courses numbered 200 and above in physical and biological sciences and mathematics.

All potential certification candidates must have a satisfactory review of progress with the departmental licensure adviser each semester after admission to the certification program. The candidate must also:

- take and pass the ICTS Test of Academic Proficiency prior to applying to the certification program;
- take and pass the ICTS Environmental Science Content Test prior to applying to student teaching;
- take and pass the ICTS Assessment of Professional Teaching test before completion of the program.

Environmental Science Educator Licensure

All retention requirements listed above:

**Fifteen (15) upper-division semester hours** in environmental science (15), including:
- 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 304 – Environmental Law, Policy and Economics (3)
- ENVS 305X/TECH 305 – Green Technologies (3)

**Twelve (12) hours of electives in designated courses teaching environmental science concepts** (12):
- ANTH 425 – Environment and Anthropology (3)
- ANTH 432 – Nature and the Environment Across Cultures (3)
- BIOS 406 – Conservation Biology (4)
- BIOS 409X/ENVS 409/GEOL 409X/PHHE 409X – Water Quality (4)
- ECON 386 – Environmental Economics (3)
- ENVS 315/GEOG 315X – Geography of Energy (3)
- GEOG 253 – Environment and Society (3)
- GEOG 303 – Water Resources and the Environment (3)
- GEOG 322 – Geography of World Plant Communities (3)
- GEOG 368 – Climate Change: Science, Impacts and Mitigation (3)
- GEOG 453 – Environmental Management (3)
- GEOG 455 – Land-Use Planning (3)
- GEOL 390 – Introduction to Groundwater (3)
- HIST 377 – American Environmental History (3)
SECTION B – Recorded, but further approval needed before inclusion in the Undergraduate Catalog

MEE 101 – Energy and the Environment (3)
PHIL 335 – Environmental Ethics (3)
POLS 324 – Politics of Environmental, Health, and Safety Regulation (3)
TECH 245 – Pollution Prevention and Sustainable Production (3)
TECH 484 – Energy Management (3)

Additional Coursework course work outside of the department (31)

Eight (8) semester hours in Course work in biology (8):
BIOS 208 – Fundamentals of Cellular Biology I (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)

Eight (8) semester hours in Course work in chemistry (8):
CHEM 210 – General Chemistry I (3)
AND CHEM 212 – General Chemistry I Laboratory (1)
CHEM 211 – General Chemistry II (3)
AND CHEM 213 – General Chemistry II Laboratory (1)

Eight (8) semester hours in Course work in physics including lab (8):
PHYS 210 – General Physics I (4)
PHYS 211 – General Physics II (4)

Seven (7) Semester hours Course work in math and statistics (7):
MATH 211 – Calculus for Business and Social Science (3)
STAT 301 – Elementary Statistics (4)

Professional Education education courses, including (37):
BIOS 402X/ CHEM 493X/ENVS 483X/GEOL 483/PHYS 493X – Interdisciplinary Teaching of Science in Secondary Education (3)
BIOS 484X/ CHEM 490X/ENVS 475X/GEOL 475/PHYS 490X – Science Across Time and Culture (2)
ILAS 201 – Introductory Clinical Experience (1)
ILAS 301 – Second Clinical Experience (2)
ENVS 401 – Third Clinical High School Experience in Environmental Science (2)
ENVS 482 – Transition to the Professional Environmental Science Teacher (2)
ENVS 487 – Student Teaching (Secondary) in Environmental Science (10)
ENVS 495 – Methods in Teaching Environmental Science (3)
EPS 406/EPS 507 – Issues in Human Development and Learning in the Middle School and High School Years (3)
ETT 402 – Teaching and Learning with Technology (3)
LTIC 420 – Methods and Materials for Teaching English Language Learners in the Content Areas (3)
SESE 457/SESE 557 – Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)