Environmental Studies

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 licensure in environmental science must have a grade of C or better in all coursework 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.

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 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.
Received by the Undergraduate Coordinating Council October 1, 2015

COMMITTEE ON THE UNDERGRADUATE CURRICULUM (CUC)
First Meeting/2015-16 Academic Year
September 10, 2015

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Five upper-division courses 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)

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)
- 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 course work outside of the department (31)

Course work in biology (8):

- BIOS 208 – Fundamentals of Cellular Biology I (3)
- BIOS 210 – Fundamentals of Cellular Biology Laboratory (1)
- BIOS 209 – Fundamentals of Organismal Biology (3)
- BIOS 311 – Fundamentals of Organismal Biology Laboratory (1)

Course work in chemistry (8):

- CHEM 210 – General Chemistry I (3)
- CHEM 212 – General Chemistry I Laboratory (1)
- CHEM 211 – General Chemistry II (3)
- CHEM 213 – General Chemistry II Laboratory (1)
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Course work in physics including lab (8):
- PHYS 210 – General Physics I (4)
- PHYS 211 – General Physics II (4)

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

Professional 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 487 – Student Teaching (Secondary) in Environmental Science (10)
- ENVS 495 – Methods in Teaching Environmental Science (3)
- 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)
- LTIC 420 – Methods and Materials for Teaching English Language Learners in the Content Areas (3)
- SESE 457 – Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)

**Deleted:**
- Eight (8) semester hours in college
- Seven (7) Semester hours
- Education
- EPS 507
- SESE 557