

**ENVIRONMENTAL SCIENCES** master of science

## GRADUATE PROGRAM

Environmental scientists comprise the front line of environmental protection efforts. With this degree, you will learn about ecosystem management and ecological restoration, up close. UIS' partnership with The Nature Conservancy provides our environmental majors with an unmatched opportunity to assist in the historic restoration of 7,000 acres of wetlands.

**Emiquon Field Station.**

The university's new research station is the premier scientific facility associated with the Emiquon Wetlands restoration project. Students will conduct research with faculty and scientists from around the world, gaining extraordinary experience and a unique understanding of the meaning of stewardship.

**Emerging technology.**

Our new Center for Geographic Information Systems (GIS) will show you how to utilize the latest technology in environmental analysis.

**What can I do with this degree?**

Our graduates work as environmental analysts, resource management specialists, environmental protection specialists, and aquatic resource managers, to name a few options. Recent employers include:

*Illinois EPA  
Illinois Department of Natural Resources  
World Health Organization  
Illinois Department of Transportation  
U.S. Army Corps of Engineers  
Non-governmental Organizations  
National Park Service  
Municipal Park Districts*

**Capital gain.**

There is no substitute for being in the heart of state government. Through UIS, you'll have extraordinary opportunities for internships with Illinois' environmental giants including the Illinois EPA and the Illinois Department of Natural Resources.



The curriculum for the Master of Science in Environmental Sciences is designed to allow students to gain strong scientific understanding of ways to study, evaluate, and interpret environmental realities and their impacts, as well as to manage and mitigate problems.

### General Environmental Sciences Concentration

#### Objectives

- Develop a basic literacy in the natural and social sciences and the humanities as they contribute to an understanding of environmental issues;
- Critically analyze environmental problems;
- Identify, research, and evaluate environmental problems; and
- Compare, contrast, implement, and manage short and long-term solutions to environmental problems.

The department recommends that students entering environmental sciences have knowledge of organic chemistry, algebra, statistics, and biology.

#### Degree requirements **44 Hrs.**

**Pre-requisite of 300 level Ecology course with a "B" or better grade.**

#### Required Core courses **12 Hrs.**

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|--|--------|
| ENS 551 Environmental Natural Sciences                   | 4 Hrs. |
| ENS 552 Environmental Social Sciences and the Humanities | 4 Hrs. |
| ENS 553 Research Methods in Environmental Studies        | 4 Hrs. |

#### General Environmental Sciences Core courses **8 Hrs.**

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|--|--------|
| ENS 542 Ecosystem Management           | 4 Hrs. |
| BIO 571 Advanced Ecology and Evolution | 4 Hrs. |

#### Core Electives **12 Hrs.**

#### Non-Core Electives **8 Hrs.**

#### Required Closure course (Thesis or Project) **4 Hrs.**

### Scholarships Available

Each year, two scholarships are awarded to graduate students in the Environmental Studies and Sciences programs: 1) a \$750 Environmental Studies Alumni Award Scholarship; and 2) the Luther Skelton Endowment Scholarship, which helps defray expenses for graduate student research.

### Study Abroad Opportunity

The Environmental Studies/Sciences programs have an agreement for course credit transfer with Charles Darwin University in Australia. Students explore tropical environmental management and sustainability. Offered every summer. Global Experience Scholarships (\$1000) are available to help students defray costs.

### Visit our website for more information on

Entrance requirements  
Student Educational Plan  
Salaried internships  
Center for GIS  
Emiquon Field Station  
Financial Aid

### To view course descriptions

[uis.edu/uiscatalog](http://uis.edu/uiscatalog)

### Contact information

Environmental Studies  
(217) 206-6720 or [nrach1@uis.edu](mailto:nrach1@uis.edu)  
[uis.edu/environmentalstudies](http://uis.edu/environmentalstudies)

Office of Admissions  
(217) 206-4847 or (888) 977-4847  
[admissions@uis.edu](mailto:admissions@uis.edu)  
[uis.edu/admissions](http://uis.edu/admissions)

*IMPORTANT* — Information effective fall 2007. Subject to change without notice. The information is not to be considered final, nor does it constitute a contract between the student and UIS. See [www.uis.edu/uiscatalog](http://www.uis.edu/uiscatalog) for current program requirements.