

Environmental Science Management

Degrees Available at SIUE

- Professional Science Master's in Environmental Science Management

Program Format

The program can be completed through a mix of traditional daytime courses, evening courses, and online courses.

Environmental Science Management at SIUE

The environmental science management program is a new kind of master's degree, a professional science master's (PSM). The PSM is a degree in science or mathematics for students interested in a wider variety of career options than provided by current graduate programs in the sciences and mathematics. This degree program also prepares students for work in fields such as research management and technology transfer.

The New York-based Alfred P. Sloan foundation has helped launch SIUE's environmental science management program, which has been developed in concert with industry and is designed to dovetail into present and future professional opportunities.

The PSM environmental science management program differs from other master's degrees in the sciences in that real-world experiences, internships and business courses enhance students' environmental sciences coursework.

Part of the PSM degree program will be an internship opportunity (six hours credit) at an area company. The organizations currently represented on the Environmental Science Management Advisory Board are Ameren, Environmental Resources Training Center, National Corn-to-Ethanol Research Center, Professional Environmental Engineers Inc., U.S. Air Force (Scott Base), Illinois EPA, Leidos, MSSC LLC, Illinois Sierra Club, and Environmental Restoration LLC. This advisory board ensures that the environmental science management program meets the area's workforce needs. At the end of the internship, students prepare a thesis or a research paper based on their internship experience.

Career Opportunities

The professional science master's degree in environmental science management is designed to fill a management need for technology-based companies, governmental agencies and non-profit organizations. Graduates can pursue a variety of positions in the public and private sectors seeking scientists with project management skills, such as waste management specialist, environmental policy and technical analyst, environmental project manager for planning and implementation of resource management, remediation, restoration and sustainable practices. According to a recent report by the U.S. Department of Labor, employment of environmental scientists and specialists is projected to grow 11% through 2026, which is faster than the average for all occupations in the United States.

Admission Requirements

- Graduate School application and \$40 fee
- Submission of all postsecondary academic transcripts
- Admission to this program requires a positive recommendation from the Environmental Sciences Admissions Committee. The program requires all prospective students to submit a letter stating their academic and professional goals.
- The GRE is required for those students whose undergraduate GPA is below 3.0 (4.0 scale).
- For those students whose GPA is below 2.75, two letters of recommendation are required.
- Applicants with less than a 2.5 GPA will ordinarily not be admitted.
- Students must have a baccalaureate degree in a science major. Computer literacy is strongly encouraged.
- International Applicants: Proof of English Proficiency, minimum requirements are TOEFL (79), IELTS (6.5) or equivalent



Faculty

Zhi-Qing Lin, PhD
Graduate Program Director
Professor
McGill University

Nathaniel Femi Adegboyega, PhD
Assistant Professor
Florida Institute of Technology

Nicholas P. Guehlstorf, PhD
Professor and Chair
Purdue University

Benjamin K. Greenfield, PhD
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University of Oregon

William A. Retzlaff, PhD
Distinguished Research Professor
Clemson University

Christopher W. Theodorakis, PhD
Professor
University of Tennessee

Kyong Sup Yoon, PhD
Associate Professor
University of Massachusetts

Admission Requirements, Cont.

Program application materials may be uploaded during the application process, but official transcripts must be sent directly from the school attended, and test scores must be verifiable with the appropriate testing service. Please contact the Graduate Admissions office with questions regarding the application submission process at graduateadmissions@siue.edu.

Competitive graduate assistantships through the Department of Environmental Sciences and competitive graduate awards through the Graduate School are available. The Office of Student Financial Aid administers most of the University's financial aid programs.

Graduation Requirements

Following the completion of the program of study, including the thesis or non-thesis paper, the student will present the thesis or non-thesis paper, open to the public, to the graduate committee for critique and must pass a final oral examination administered by the graduate advisory committee.

Curriculum

The professional science master's degree in environmental science management requires a minimum of 36 hours of graduate work.

Required core courses (8 hours):

ENSC 505, 506, 510, and a 3- or 4-hour 400- or 500-level statistics course

Internship (6 hours):

ENSC 590

Business Courses (9 hours):

ACCT 524, CMIS 526 and MBA 522

Required emphasis courses (12 hours):

ENSC 511 or 512, 540, and at least two other ENSC electives

Final Research Paper or Thesis (3 hours):

ENSC 597 or 599

Within the first semester of study, the student must select a graduate faculty member as chairperson for the graduate advisory committee. The chairperson will advise the student on coursework and research. The graduate advisory committee should consist of faculty with expertise or interests that are appropriate to the student's academic background, goals and career interests. The graduate advisory committee and the student will develop a thesis or non-thesis paper outline before the work begins. The thesis or non-thesis paper is then approved for initiation and supervised by the committee chairperson.

Contact Information

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