

Degrees Available at SIUE

- PhD in Environmental Resources and Policy

Environmental Resources and Policy at SIUE

The Environmental Resources and Policy (ERP) PhD program within the Department of Environmental Sciences focuses on advanced interdisciplinary training and research on physical, biological, and social processes responsible for natural resource and environmental problems facing contemporary society. The cooperative ERP PhD program in SIUE's College of Arts and Sciences features the following concentrations:

- Agricultural and Rural Land Resources
- Earth and Environmental Processes
- Ecology
- Environmental Modeling
- Environmental Policy and Administration
- Geographic Information System
- Water Resources

Admission Requirements

Applicants must meet the admission requirements of the SIUE and SIUC Graduate Schools and must be approved by the SIUE Environmental Science and SIUC Environmental Resources and Policy departments.

- Admission to the program requires a Master of Science in a related field with a GPA of 3.0/4.0 or higher.
- Applications for admission must include the following:
 - Curriculum vitae or resume
 - Statement of interest: One- to two-page description of your professional goals, including your planned field of specialization (or program concentration)
 - Bachelor's and master's degree transcripts
 - GRE scores (SIUE institution code: 1759)
 - Three reference letters
- International applicants also need to submit the following:
 - A photocopy of the page(s) of your passport showing your name, date of birth and country of citizenship
 - TOEFL or IELTS score (SIUE institution code: 1759)
 - Financial statement to show that funding will be available to you for each year of your proposed course of study, or that you have an assistantship to provide toward the amount

Faculty

Nathaniel Adegboyega, Assistant Professor

Research interests: Formation and characterization of nanoparticles from metal ion-natural organic matter interactions and the recycling of industrial biomass into value-added biochars, hydrochars, and composite materials for water purification

Nicholas Guehlstorf, Professor and Chair

Research interests: Integration of democratic values into environmental policy and considers the theoretical problems with citizen involvement; economic development; and scientific information in decision making

Zhi-Qing Lin, Professor

Research interests: Phytoremediation technology for the cleanup of contaminated water and soil, including constructed treatment wetlands; Biogeochemistry of environmentally important trace elements, with the main focus on transport, fate, bioaccumulation and chemical formation of contaminants in soil and plant systems

Sharon Locke, Professor

Research interests: Environmental and earth science education, including studying models of field-based and outdoor learning; measuring interest and attitudes toward science and the environment; understanding how sense of place shapes our perceptions of natural areas; long-term changes in watershed hydrology, with a particular focus on surface water-groundwater interactions

Adriana Martinez, Associate Professor

Research interests: Influence of human activities along river systems; interactions between vegetation and stream channels; impacts of dams; sediment transport; GIS and remote sensing of river systems and riparian zones

William Retzlaff, Professor

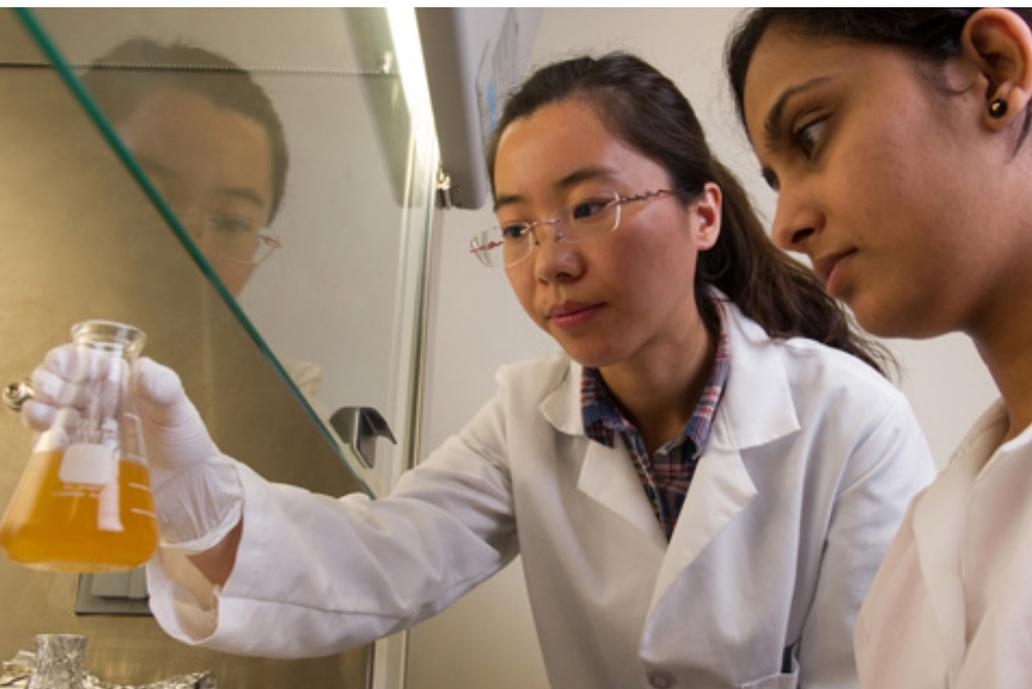
Research interests: Performance of green roof and living wall technologies in the Midwestern United States

Chris Theodorakis, Professor

Research interests: Evolutionary toxicology; nanotoxicology; molecular and genetic toxicology; aquatic ecotoxicology; population genetics; biomarker research; oxidative stress; and endocrine disruption

Kyong Sup Yoon, Associate Professor

Research interests: Vector biology investigations using arthropod vector models; adverse effects of insecticide exposure on humans and other non-target organisms; mode of action and neurophysiological effects of natural and synthetic insecticides; genetic and epigenetic mechanisms of insecticide resistance in arthropod pests; biochemical and molecular diagnostics using high throughput enzyme assays and SNP detections for pest management



Application Process

Some application materials must be sent to SIUE while some must be sent to SIUC. Follow the instructions below to ensure your application review is not delayed. Documents under each institution must be received by that institution before applications will be reviewed by that institution.

SIUE Application

- Applicants must complete the online application
- Official bachelor's transcript
- Official master's transcript
- Official GRE Score (SIUE code 1759)
- Three reference letters
- Statement of interest
- International students
 - Official TOEFL or IELTS Score (institution code 1759)

Official transcripts must be submitted electronically to siueapps@siue.edu or mailed to:

SIUE Graduate and International Admissions

Co-op PhD Application

Campus Box 1047

Edwardsville, IL 62026-1047

The application deadline for fall admission and graduate assistantships is February 1. Only exceptional applicants may be admitted for spring semesters, and the application deadline is October 1.

SIUC Application

- Applicants need to submit an electronic application
 - Create an account
 - Program selection will be Environmental Resources and Policy
 - Degree selection will be PhD
 - When asked to provide letters of recommendation, enter SIUE as the recommender with the email address of siueapps@siue.edu
 - This will allow SIUE to attach the letters of recommendation already submitted to SIUE to SIUC
 - International students
 - Financial Statement
 - This document is found at the end of the SIUC application. It must be completed even if you have been promised an assistantship.
 - Before you can be admitted, it is necessary for you to indicate that a minimum of U.S. \$40,500 will be available to you for each year of your proposed course of study
 - Be sure to indicate if your studies are totally dependent upon an assistantship or if you have personal funds to fulfill this requirement
 - If you have personal funds, be sure to submit official documentation of funds and amounts via a recent bank statement
 - Copy of Passport showing your name, date of birth and country of citizenship
- Current SIUC non-refundable application fee in U.S. dollars (credit card only)

Admission Process

The application will be reviewed by the SIUE Department of Environmental Sciences. If the application receives approval from the department, it will be forwarded to the SIUC Environmental Resources and Policy Program. Applications will then be reviewed by the ERP program, and a final decision to recommend admission to the SIUE Graduate School will be administered by the SIUC ERP Internal Advisory Board in the same manner as other students who are admitted to SIUC's program and further by the SIUC Graduate School.

The student's PhD committee will determine the need for and nature of any remedial work required. In keeping with the common practice in the SIUC doctoral environmental resources and policy program, advisors will be identified at the time of admission.

Admission to the ERP program will be granted by the SIUC Graduate School.

Graduation Requirements

In order to graduate, students of the doctoral program must have successfully completed the following requirements:

- All requirements of the SIUC Graduate School must be satisfied.
- A minimum of 36 hours of doctoral-level coursework must be completed. The GPA must be 3.25 or higher on a scale of 4.00.
- An acceptable dissertation must be completed within five years after admission to candidacy. In the event the dissertation is not completed in the set time frame, the student will be required to take and pass the candidacy exams again.

The doctoral degree is conferred by SIUC. Students must apply for graduation and pay application fees by the deadline via Salukinet.

Curriculum

The environmental resources and policy program requires a minimum of 60 credit hours, including:

12 credit hours of core coursework

- ERP 502 Environmental Decision Making (3 credit hours)
- A methodology or science course at SIUC (3 credit hours)
- A methodology or science course at SIUE (3 credit hours)
- ERP 598 Applied Environmental Resources and Policy (1 credit hour each year in residence)
- ERP 601 Continuing Enrollment (SIUE students registration for ERP 601 with no charge)

Up to six credit hours can be approved for transfer to the degree program if they were earned from an accredited institution. Transfer credits will not count toward the residency requirement.

24 hours of dissertation research credit

- ERP 600 Dissertation (12 credit hours)
- ENSC 600 Dissertation (12 credit hours)

Only six hours of dissertation research credit may be taken prior to the oral defense of the dissertation proposal and approval of the dissertation proposal.

24 hours of concentration coursework

The 24 hours of elective coursework will be taken within an area of chosen concentration. The student and the research supervisor(s) in consultation with the student's graduate advisory committee will determine specific concentration courses. The multi-disciplinary curriculum for each concentration is customized to meet the student's individual interests and career goals.