



## The University of Akron

# Graduate Certificate Program in Environmental Studies

### ENVIRONMENTAL STUDIES

Ira D. Sasowsky, Ph.D., *Director*

#### Program

This graduate certificate program is designed for environmental professionals who wish to broaden their background or update their skills. In order to satisfy the course prerequisites, it is recommended that students have an undergraduate degree in one of the natural sciences, engineering, or a strong background in mathematics and science.

#### Admissions

To participate in the program the student should:

- Be formally admitted to The University of Akron as a graduate or non-degree graduate student. If pursuing another graduate degree, then the Certificate program must be applied for separately.
- Make an appointment with the Director to complete a departmental application to the program, agree on a course of study, and receive written notification of admission from the Center for Environmental Studies.

#### Requirements

A plan of study will be developed in consultation with the director of the Center for Environmental Studies. Students must complete the core requirement and a minimum of 14 credits from the list of electives or other courses approved by the director. Electives must be selected from a minimum of three different departments.

#### What department codes mean:

3100: Biology  
3350: Geography and Planning  
3370: Geology  
3400: History  
3470: Statistics  
3700: Political Science  
3850: Sociology  
4200: Chemical Engineering  
4300: Civil Engineering  
9200: Law Instruction

#### For more information contact:

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Core (required):	Course Name	Credits
3370:580	Seminar in Environmental Studies (formerly 3010:501)	2
<b>Electives</b> (minimum 14 credits)		
3100:521	Tropical Field Biology	4
3100:524	Freshwater Ecology	3
3100:525	Freshwater Ecology field and Laboratory Studies	3
3100:526	Applied Aquatic Ecology	4
3100:660	Environmental Physiology	3
3350:505	Geographic Information Systems	3
3350:507	Advanced Geographic Information Systems	3
3350:547	Remote Sensing	3
3350:549	Advanced Remote Sensing	3
3350:595	Soil and Water Field Studies	3
3370:451	Field/Lab Studies in Environmental Studies (formerly 3010:595)	3
3370:570	Geochemistry	3
3370:574	Groundwater Hydrology	3
3370:580	Seminar in Environmental Studies (formerly 3010:501)	3
3370:661	Geologic Record of Past Global Change	3
3370:674	Advanced Groundwater Hydrology	3
3370:678	Urban Geology	3
3400:571	American Environmental History	3
3470:561	Applied Statistics I	4
3700:512	Global Environmental Politics	3
3850:686	Population	3
4200:563	Pollution Control	3
4200:750	Advanced Pollution Control	3
4300:523	Chemistry for Environmental Engineers	3
4300:526	Environmental Engineering Design	3
4300:527	Water Quality Modeling and Management	3
4300:528	Hazardous and Solid Wastes	3
4300:620	Sanitary Engineering Problems	2
4300:621	Environmental Engineering Principles	4
4300:631	Soil Remediation	3
4300:731	Bioremediation	3
9200:661	Environmental Law	3