

# ENVIRONMENTAL STUDIES, CERTIFICATE

## 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. For advising please contact the Director of the Center for Environmental Studies in the Department of Geosciences.

## Admission

To participate in the program the student should:

- Be formally admitted to The University of Akron as a graduate or non-degree graduate student.
- Make a written application to the program 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.

Code	Title	Hours
<b>Core</b>		
3370:580	Seminar in Environmental Studies (may be repeated as an elective)	2
<b>Electives</b>		
Select a minimum of 14 credits of the following, or other approved courses:		14
3100:521	Tropical Field Biology	
3100:526	Wetland Ecology	
3100:660	Environmental Physiology	
3100:624	Advanced Aquatic Ecology	
3350:505	Geographic Information Systems	
3350:507	Advanced Geographic Information Systems	
3350:547	Remote Sensing	
3350:549	Advanced Remote Sensing	
3350:595	Soil & Water Field Studies	
3370:511	Glacial Geology	
3370:570	Geochemistry	
3370:574	Groundwater Hydrology	
3370:580	Seminar in Environmental Studies	
3370:661	Geologic Record of Past Global Change	
3370:674	Advanced Ground Water Hydrology	
3400:571	American Environmental History	
3470:561	Applied Statistics	
3850:686	Population	
4200:563	Pollution Control	
4200:750	Advanced Pollution Control	

4300:523	Chemistry for Environmental Engineers	
4300:526	Environmental Engineering Design	
4300:527	Water Quality Modeling & Management	
4300:528	Hazardous & Solid Wastes	
4300:620	Sanitary Engineering Problems	
4300:621	Environmental Engineering Principles	
4300:631	Soil Remediation	
4300:731	Bioremediation	
9200:661	Environmental Law	
Total Hours		16