



EASY TO EARN
FOR MOST
SCIENCE
MAJORS

The University of Akron Undergraduate Certificate Program in Environmental Studies

ENVIRONMENTAL STUDIES

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

Program

The objective of the Environmental Studies Certificate program is to provide students with an interdisciplinary background by encouraging them to take environmentally related courses that will complement their academic major. The program is very flexible and can be tailored to an individual student's career objective. Environmental Studies Certificates have been earned by students with a wide range of academic majors including; biology, chemical and civil engineering, economics, education, english, geography, geology, political science, sociology, and urban studies.

Admissions

To participate in the program the student should:

- Be formally admitted to The University of Akron as an undergraduate student.
- Be in good academic standing in their major department.
- Make a written application to the program and receive written notification of admission from the Center for Environmental Studies.

Requirements

To qualify for the certificate program, students must request admission to the program by completing the certificate application form. If currently enrolled in a degree program, they must be in good academic standing with their major department. A plan of study will be developed in consultation with the director of the Certificate Program, and must be approved by the director. To satisfy the requirements a student must complete the core courses and 11 credits from the list of elective courses or other courses identified as acceptable by the director. Elective courses will be selected from outside the student's academic major. For advising, contact the Department of Geology and Environmental Science. The awarding of this certificate is not contingent on enrollment in, or completion of, a degree program.

Core (required):	Course Name	Credits
GEOL:211	Introduction to Environmental Science (was 3010:201)	3
GEOL:480	Seminar in Environmental Studies (was 3010:401)	2
Example Electives (11 Credits minimum)		Credits
FIRE:250	Hazardous Materials	4
2800:232	Environmental Sampling Lab	3
BIOL:217	General Ecology	3
BIOL:342	Flora and Taxonomy	3
BIOL:421	Tropical Field Biology	4
BIOL:418	Field Ecology	4
BIOL:426	Wetland Ecology	4
BIOL:427	Aquatic Ecology	4
BIOL:430	Community/Ecosystem Ecology	4
CHEM:100	Chemistry and Society	3
ECON:385	Econ. of Natural Resources and the Environment	3
GEOG:310	Physical and Environmental Geography	3
GEOG:335	Recreation Resource Planning	3
GEOG:351	Ohio Environment and Society	3
GEOG:405	Geographic Information System	3
GEOG:407	Adv. Geographic Information System	3
GEOG:436	Urban Land Use Analysis	3
GEOG:447	Introduction to Remote Sensing	3
GEOG:449	Adv. Remote Sensing	3
GEOG:495	Soil and Water Field Studies	3
GEOL:121-137	Concepts in Geology (121,122,125,127,128,129,133,135,136,137)	1
GEOL:200	Environmental Geology	3
GEOL:201,203	Exercises in Environmental Geology	1
GEOL:301	Engineering Geology	3

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For more information contact:

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Electives	Course Name	Credits
GEOL:451	Field/Lab Studies in Environmental Science (formerly 3010:495)	3
GEOL:480	Seminar in Environmental Studies (may repeat as an elective, if different topic)	2
GEOL:490	Workshop in Environmental Studies (formerly 3010:490)	1-4
GEOL:470	Geochemistry	3
GEOL:474	Ground Water Hydrology	3
HIST:471	American Environmental History	3
POLIT:412	Global Environmental Politics	3
SOCIO:321	Population	3
GNEN:203	Environmental Science and Engineering	3
CHEE:463	Pollution Control	3
CIVE:323	Water Supply and Pollution Control	3
CIVE:423	Chemistry for Environmental Engineering	3
CIVE:424	Water-Wastewater Laboratory	1
CIVE:426	Environmental Engineering Design	3
CIVE:427	Water Quality Modeling and Management	3
CIVE:428	Hazardous and Solid Waste	3

Workshops, Selected Topics, and other courses approved by the Director of Environmental Studies may also satisfy elective credits.

What the department codes mean:

FIRE: Fire Protection and Technology

~~2800: Environmental Health & Safety Technology~~

BIOL: Biology

CHEM: Chemistry

ECON: Economics

GEOG: Geography and Planning

GEOL: Geology

HIST: History

POLIT: Political Science

SOCIO: Sociology

GNEN: General Engineering

CHEE: Chemical Engineering

CIVE: Civil Engineering