

# ENVIRONMENTAL GEOLOGY - MINOR

College of Sciences and Humanities  
 Department of Earth Sciences  
[www.kent.edu/earth-sciences](http://www.kent.edu/earth-sciences)

## About This Program

The Environmental Geology minor prepares students to integrate concepts and knowledge of environmental geology and communicate these issues to a variety of audiences, including policymakers and the public. Scientific knowledge about environmental geology processes is used to inform different areas of formal study such as anthropology, architecture, geography, political science, environmental law, environmental studies and recreation and park management.

Students in the minor gain broad knowledge of geology and the environmental impacts of anthropogenic-induced change on the earth in the immediate short-term and throughout longer periods. Competencies focus on human-water-rock interactions at Earth's surface (the critical zone).

## Contact Information

- **Carrie Schweitzer** | [cschweit@kent.edu](mailto:cschweit@kent.edu) | 330-672-2505
- Speak with an Advisor
  - Kent Campus
  - Stark Campus

## Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus
  - Stark Campus

## Admission Requirements

Admission to this minor is selective, open only to students who have a minimum 2.000 overall Kent State University GPA. No Kent State University GPA is required if the student is a first-semester freshman or transfer student admitted in good standing.

## Program Requirements

Code	Title	Credit Hours
<b>Minor Requirements</b>		
ESCI 11040 or ESCI 21080	HOW THE EARTH WORKS (KBS) ALL ABOUT THE OCEANS (KBS)	3
ESCI 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
ESCI 33025	WATER AND THE ENVIRONMENT	3
Minor Electives, choose from the following:		6-7
ESCI 32066	GEOMORPHOLOGY	
ESCI 40380	BIOGEOCHEMISTRY	
ESCI 41085	MASS EXTINCTIONS: CAUSES AND CONSEQUENCES	

ESCI 42030	REMOTE SENSING
ESCI 42035	DATA ANALYSIS IN THE EARTH SCIENCES
ESCI 42060	EARTH OBSERVING
ESCI 44025	GEOLOGIC HAZARDS AND DISASTERS
ESCI 44040	EARTH'S ENERGY TRANSITION
ESCI 44074	PALEOCEANOGRAPHY

Minimum Total Credit Hours: 15

## Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

## Program Learning Outcomes

Graduates of this program will be able to:

1. [Apply fundamental concepts and methods of Earth science, including geology, to analyze and interpret geological phenomena and environmental issues.](#)
2. [Collaborate effectively with peers and professionals in the field of Earth science to solve geologic and environmental problems, integrating knowledge from various disciplines within Earth science.](#)
3. [Understand and explain key Earth processes, such as plate tectonics, erosion and climate change, and demonstrate an understanding of how these processes impact our society and the environment.](#)
4. [Understand and communicate Earth science concepts and findings effectively to both scientific and non-scientific audiences using appropriate visual aids and technologies.](#)