

EARTH SCIENCE - MINOR

College of Sciences and Humanities
Department of Earth Sciences
www.kent.edu/earth-sciences

About This Program

The Earth Science minor prepares students to integrate concepts and knowledge of Earth's surface, its interior and its interactions with life and water. Scientific knowledge about Earth processes and earth-life-water interactions is critical for making informed decisions in science education, public policy, public health, conservation, resource management and environmental consulting. Students in the minor gain essential knowledge of earth systems science, including the interactions of earth's atmosphere, biosphere, hydrosphere and lithosphere over both shorter (millennium) and longer (mega-annum) time periods.

Contact Information

- **Carrie Schweitzer** | 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
Minor Requirements		
ESCI 11040	HOW THE EARTH WORKS (KBS)	3
ESCI 33025	WATER AND THE ENVIRONMENT	3
GEOG 41066	GLOBAL CLIMATE CHANGE	3
Minor Electives, choose from the following: ¹		6-7
ESCI 42030	REMOTE SENSING	
ESCI 42060	EARTH OBSERVING	
ESCI 44025	GEOLOGIC HAZARDS AND DISASTERS	
ESCI 44040	EARTH'S ENERGY TRANSITION	
ESCI 44074	PALEOCEANOGRAPHY	
GEOG 31062	FUNDAMENTALS OF METEOROLOGY	
GEOG 41073	CONSERVATION OF NATURAL RESOURCES	
GEOG 49070	GEOGRAPHIC INFORMATION SCIENCE	

Minimum Total Credit Hours:

15

¹ Other relevant courses may be substituted in consultation with an advisor.

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.