

# EARTH SCIENCE - MINOR

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

- **Joseph Ortiz** | [jortiz@kent.edu](mailto:jortiz@kent.edu) | 330-672-2225
- Speak with an Advisor
  - Kent Campus
  - Stark Campus

## Program Delivery

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

## Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

To declare the Earth Science minor, students must 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

### Minor Requirements

Code	Title	Credit Hours
<b>Minor Requirements</b>		
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: <sup>1</sup>		6-7
ESCI 42030	REMOTE SENSING	
ESCI 44025	GEOLOGIC HAZARDS AND DISASTERS	
ESCI 44074	PALEOCEANOGRAPHY	

GEOG 31062	FUNDAMENTALS OF METEOROLOGY
GEOG 41073	CONSERVATION OF NATURAL RESOURCES
GEOG 49070	GEOGRAPHIC INFORMATION SCIENCE

**Minimum Total Credit Hours:** 15

<sup>1</sup> Other relevant courses may be substituted in consultation with an adviser.

## 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).