

## INTERNSHIPS

**Practical experience is an important part** of our program. Students receive academic credit for their internship experience at sites such as:

- Boys and Girls Club of Carbondale
- CDM Environmental Consulting
- City of Carbondale Planning
- Giant City State Park
- Green Ridge Organic Farm
- Keep Carbondale Beautiful: Recycling
- National Weather Service
- Natural Resources Conservation Service (USDA)
- U.S. Fish & Wildlife Service



*"My internship provided real world work experience that helped me prepare for a career in GIS."*

- Dan Smith, *Graduate*

## FOR MORE INFORMATION

**Geography & Environmental Resources**  
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Southern Illinois University Carbondale  
1000 Faner Drive  
Carbondale, IL 62901  
618.536.3375  
geog@siu.edu  
www.geography.siu.edu  
[www.siu.edu](http://www.siu.edu)

## WHY STUDY AT SIUC?

- Our department offers a nationally recognized focus on Environmental Geography and Water Resources.
- Our computer laboratories train students to use cutting-edge GIS and remote sensing technologies for environmental analysis.
- Our active Geography Club plans hikes and camping trips; they organize events for Geography Action Week and for our research poster session.
- Students can join our chapter of Gamma Theta Upsilon, the International Geography Honor Society.
- We recognize outstanding students with scholarships and awards. To learn more, visit [www.geography.siu.edu/Awards](http://www.geography.siu.edu/Awards). SIUC's financial aid office also offers scholarships; visit [www.siu.edu/~fao](http://www.siu.edu/~fao).

[www.geography.siu.edu](http://www.geography.siu.edu)



### Undergraduate Admissions

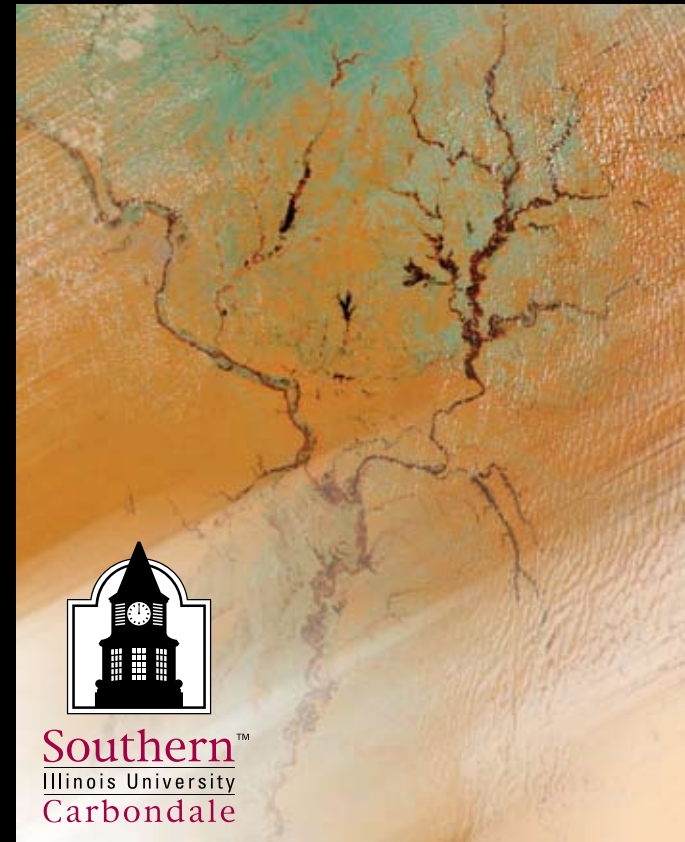
Admissions Reception Center - Mail Code 4710  
Southern Illinois University Carbondale  
425 Clocktower Drive  
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# Geography & Environmental Resources



[www.geography.siu.edu](http://www.geography.siu.edu)



**Southern**<sup>TM</sup>  
Illinois University  
Carbondale

# WHAT IS GEOGRAPHY?

**Geography deals with space and place;** the interaction between humans and the environment; and linkages between and among places. Geographers describe the Earth through various means including maps, data analysis, landscape descriptions, and in-depth spatial analysis through Geographic Information Systems (GIS).

In fact, geographers are active in the study of global warming, desertification, loss of biodiversity, water pollution and flooding.

A geographer may also be called an environmental analyst, resource manager or environmental educator. There is an excellent job market for our graduates.

### You might be a Geographer if you:

- have an inquiring mind
- enjoy map reading and computers
- are interested in environmental and social issues

## GEOGRAPHY AT SIUC

**The Department of Geography & Environmental Resources** at SIUC focuses on fieldwork, use of computers and an integrated environmental problem-solving approach in both our undergraduate and graduate programs.

### POSSIBLE CAREERS

- GIS Analyst
- Environmental Educator
- Water Resource Manager
- Environmental Consultant
- Conservationist
- Recycling Coordinator

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## OUR UNIVERSITY

**SIUC is a comprehensive research university** with more than 21,000 undergraduate, graduate and professional students, nestled in the forested rolling hills of the Shawnee National Forest.

## OUR FACULTY

Our faculty members are awarded nationally and internationally competitive grants for their research and serve as leaders in water resource and environmental organizations.

### Areas of faculty expertise include:

- Watershed dynamics; water resources management
- Landscape ecology; rural land use; organic farming
- Meteorology; climatology; climate change
- Sustainable development; ecotourism; globalization
- GIS; cartography; remote sensing

## DEGREE OPTIONS

- **Bachelor of Science**  
Geography & Environmental Resources
  - Environmental Management
  - GIS (Geographic Information Science)
  - Weather and Water Resources
- **Master of Science**  
Geography & Environmental Resources
- **Interdisciplinary Ph.D.**  
Environmental Resources & Policy

*"This is such a welcoming and warm department!"*  
- Kara Scott, Graduate

## WE TEACH MANY EXCITING COURSES!

### Introductory courses include:

- GEOG 100 – Environmental Conservation
- GEOG 103 – World Geography
- GEOG 104 – Weather, Climate & Society

### Intermediate courses include:

- GEOG 300i – Geography, People & the Environment
- GEOG 303i – Physical Geography of the Americas
- GEOG 304 – Globalization
- GEOG 310i – Digital Earth: Geospatial Techniques
- GEOG 330 – Meteorology
- GEOG 401 – GIS
- GEOG 406 – Remote Sensing
- GEOG 431 – Climatology
- GEOG 433 – Field Methods

### Specialized courses include:

- GEOG 424 – Sustainable Development
- GEOG 425 – Integrated Water Management
- GEOG 428 – GIS and Environmental Modeling
- GEOG 429 – Geography & Organic Farming
- GEOG 434 – Water Resources Hydrology
- GEOG 436 – Natural Hazards
- GEOG 439 – Global Climate Change
- GEOG 458 – GIS Analysis of Risk & Bioterrorism

**We have two computer labs:** the Spatial Environmental Analysis Laboratory and the Remote Sensing of the Environment Laboratory, which give our students hands-on experience with current computer technology to improve their employment opportunities.

