

# ENVIRONMENTAL GEOSCIENCES

## COLLEGE OF ENGINEERING AND SCIENCE



### WHAT CAN I DO WITH AN ENVIRONMENTAL GEOSCIENCES DEGREE?

The Environmental Geoscience and Geography programs are for anyone who wants to understand our earth and how we live on it. Geographers and geoscientists can track pollution in our air and water, explore for valuable resources, prepare for the impacts of climate change on our society, or design policy to protect nature. They also can collaborate across nations and cultures, plan prosperous and sustainable communities, model and predict environmental processes, coordinate international ventures, or read the history of our planet, as well as analyze satellite data, design location-based apps and programs, or help businesses “go green.” We value field experiences, from examining landforms in our own backyard to traveling to places like Western China, the Mojave Desert, Death Valley, or Costa Rica.

### ENVIRONMENTAL GEOSCIENCES AT SRU

Our environmental geoscience curriculum is an interdisciplinary science program, incorporating geology, chemistry, biology, physics and atmospheric science. These courses may have students using seismic data to explore for natural gas or collecting air quality readings to identify pollution sources. The geography major will introduce students to the key processes shaping our physical environment, and how human societies interact with that environment. Students will have hands-on experience with cutting-edge geospatial technology including drones, GPS equipment, and Geographic Information Systems. Geography students may take on a project to make our campus more environmental friendly or model the impacts of environmental change on their community.

### WHY CHOOSE ENVIRONMENTAL GEOSCIENCES AT SRU?

- 1. Personal interaction:** With 15-30 students in our classes, students will get personalized attention from faculty and opportunities to develop close relationships with classmates.
- 2. Cutting-edge technology:** Our department strives to use the latest hardware and software to give students the skills they need for the most in-demand jobs.
- 3. Field experiences:** Students can't study the earth without getting out to see it, so we have multiple opportunities for field experiences built into individual classes and our program as a whole.
- 4. Projects and research with faculty:** Our department offers many opportunities to collaborate with faculty members on research that will expand experiences and skills. Our students frequently present their work at regional and national conferences.
- 5. Networking:** We have a wide network of alumni who can help students decide what career is right for them and to find employers looking for SRU graduates.

### MAJORS

- Environmental Geosciences (BA)
- Environmental Geosciences (BA) Pre-Masters of Education\*
- Environmental Geosciences (BS)
  - Applied geographic technology
  - Environment and society
  - Environmental studies and sustainability
  - Environmental science
  - Geology

### MINORS AND CERTIFICATES

Minors in:

- Environmental Science
- Environmental Studies
- Geographic Information Technology
- Geology

Certificates in:

- Geographic Information Science
- Sustainability

SlipperyRock  
University

A member of Pennsylvania's State System  
of Higher Education

EXPERIENCE THE DIFFERENCE

[www.sru.edu](http://www.sru.edu)

## INTERNSHIP OPPORTUNITIES

SRU Geography, Geology and the Environment students have completed internships at various locations including:

- Department of Environmental Protection, Philadelphia, PA
- National Park Services, Gates of the Arctic, AK
- Cabot Oil and Gas, Pittsburgh, PA
- Altoona Water Authority, Altoona, PA
- Kappe and Associates, Monroeville, PA
- Cape Cod National Seashore, Wellfleet, MA
- Consol Energy Inc., Pittsburgh, PA
- Environmental Data Resources, Milford, CT
- Carnegie Science Center, Pittsburgh, PA

## CAREER OUTCOMES

**Environmental Geoscience students have gone on to positions such as:**

- Industrial pretreatment Specialist, City of Denton Water Department
- Hydrologist, USGS New Mexico Water Science Center
- Air Quality Research Technician, Bermuda Institute of Ocean Sciences
- Field Geologist, Terracon Consultants, Inc.
- Exploration Manager, Anadarko Petroleum Corporation

**Geography students have gone on to positions such as:**

- Community Forestry Coordinator, Western Pennsylvania Conservancy
- Planning Manager, Crawford Area Transportation Authority
- Water Quality Specialist, Pennsylvania Department of Environmental Protection
- Green Building Specialist, US Green Building Council
- GIS Coordinator, Hamblen County Tennessee

## CLUBS AND ORGANIZATIONS

- Gemma Theta Upsilon - Geography honor society
- Geography, Geology, and the Environment Club - open to all interested students
- Sigma Gamma Epsilon - Environmental Geoscience honor society

\*Slippery Rock University (SRU) is required by the State Authorization Reciprocity Agreement and US Department of Education to notify you whether our program meets the academic licensure/certification requirements in another state. All jurisdictions have their own requirements for licensure/certification eligibility. SRU is approved to offer programs that may lead to licensure/certification in Pennsylvania. We are unable to determine our program's eligibility in states other than PA. Please review the licensing board contact resource at [www.sru.edu/licensure-certification](http://www.sru.edu/licensure-certification) to seek guidance on the requirements of licensure in your home state or where you would like to practice professionally. Note that state requirements are subject to change at any time and without notice.



## ALUMNI SPOTLIGHT

### Krystal Levstek, '13

*Network research coordinator,  
Akron-Canton Regional Foodbank, Akron, OH*

"I greatly enjoy my work in the public service sector and use much of what I learned as an environmental studies major every day in my work. Environmental studies provided a larger cultural, geographical and economic focus on the sciences I already enjoyed studying."

### Cody Cribbs, '12

*Senior environmental technician,  
American Electric power, Columbus, OH*

"I love what I do for work and apply what I learned at SRU every day. It is so awesome to help the environment in any way that we can, but I get to do it for a living."

### Chris Abbott, '13

*GIS Technician, Hanover Engineering Associates Inc.,  
Bradford, PA*

"My environmental studies degree track at SRU provided me the building blocks to work as a Geographic Information Systems technician and a foundation on which to continue my education in geospatial technology and the environment."

## ACADEMIC CONTACT:

Advanced Technology and Science Hall  
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## FOR MORE INFORMATION:

[www.sru.edu/majors](http://www.sru.edu/majors)

## ADMISSIONS OFFICE:

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