

ENVIRONMENTAL GEOSCIENCES

DEPARTMENT OF ENVIRONMENTAL GEOSCIENCES
COLLEGE OF ENGINEERING AND SCIENCE

WHAT CAN I DO WITH AN ENVIRONMENTAL GEOSCIENCES DEGREE?

The Environmental Geosciences program is 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 Geosciences 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 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. 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 SRU ENVIRONMENTAL GEOSCIENCES?

- 1. Personal interaction:** Small class sizes allow students to 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 students many opportunities to collaborate with faculty members on research and 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.



MAJOR

Environmental Geosciences (BS)

- Applied Geographic Technology
- Environmental Policy
- Environmental Science
- Geography
- Geology

MINORS

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

CERTIFICATES

- Geographic Information Science
- Sustainability

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INTERNSHIP OPPORTUNITIES

Environmental Geosciences 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 Geosciences students have gone on to positions such as:

- Air quality research technician – Bermuda Institute of Ocean Sciences
- Community forestry coordinator – Western Pennsylvania Conservancy
- Exploration manager – Anadarko Petroleum Corporation
- Field geologist – Terracon Consultants, Inc.
- GIS coordinator – Hamblen County Tennessee
- Green building specialist – US Green Building Council
- Hydrologist – USGS New Mexico Water Science Center
- Industrial pretreatment specialist – City of Denton Water Department
- Planning manager – Crawford Area Transportation Authority
- Water quality specialist – Pennsylvania Department of Environmental Protection

CLUBS AND ORGANIZATIONS

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



ALUMNI SPOTLIGHT

Krystal Levstek – SRU class of 2013

Network Research Coordinator, Akron-Canton Regional Foodbank

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

Cody Cribbs – SRU class of 2012

Senior Environmental Technician, American Electric Power

"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 – SRU class of 2013

GIS Technician, Hanover Engineering Association Inc.

"My Environmental Geosciences 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:

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FOR MORE INFORMATION:

www.sru.edu/majors

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