

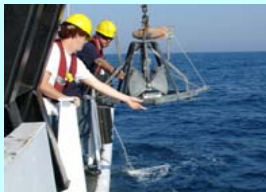
What makes us unique?

Undergraduate students are the primary focus. Student can choose among the following degree options:

- Bachelor of Science or Arts degree in Geology
- Environmental Geology Concentration
- Minor in Geology

Our thirteen faculty provide diverse professional interests and opportunities for students.

Because of a relatively low faculty to student ratio, students are encouraged to participate in scholarly research along with faculty members.



Marine Geology students lower sediment grab instrument from NOAA's Nancy Foster research vessel

The Department has a uniquely family-like atmosphere that doesn't terminate upon graduation. Faculty work with juniors and seniors to identify post-graduate career opportunities. Many alumni stay in touch through our alumni newsletter on our web site.

Our department plays a leadership role for

- South Carolina Space Grant Consortium
- Project Oceanica
- Santee Cooper GIS Lab
- Dixie Plantation Consortium
- Lowcountry Geohazards Group
- Master's of Environmental Studies, CofC
- Shallow Water Table Group

Undergraduate Student Research

Student research can be conducted during the academic year or the summer. Summer research is typically funded (\$2500 - \$4000). Consider the following recent undergraduate research projects:

- Ocean floor topographic mapping
- Wetlands water quality, Charleston
- Wetlands biogeochemistry
- Earthquake damage susceptibility, Charleston
- Hot spot challenge
- Landslide hazards Interstate-40, NC/TN
- Micropaleontology and climate change
- Remote sensing, volcanism, tectonics, Africa
- Dam stability in faulted terrain, NC
- Caves in the Bahamas
- Soil pollution
- Coastal erosion monitoring
- Coastal processes using portable LIDAR



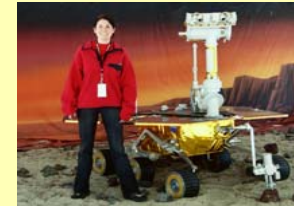
Students taking a few moments to enjoy the scenery at Yosemite National Park, CA

Unique Travel Courses

Students have opportunities to take courses taught in the field on San Salvador Island, the Bahamas and in the American Southwest. Through Project Oceanica's Transects Program, our students have been active researchers on offshore expeditions in the southeastern Atlantic Ocean.

Strength through collaboration

Faculty collaborate with federal, state, and local agencies, as well as, various industries. Students benefit from these relationships through funding and scholarships.



Alum Deanne Rogers pictured with a replica of the Mars Spirit rover that she piloted from Earth.

Internships and Awards

Motivated students are encouraged to work with faculty to take advantage of opportunities to intern or to conduct research with a variety of government agencies and private firms. Some of these include the U.S. Forest Service, Santee Cooper Electric Cooperative, Student Conservation Association, NASA, NOAA, and the Woods Hole Oceanographic Institute.

Want more information?

Geology and Environmental Geosciences
66 George Street
College of Charleston
Charleston, SC 29424

(843) 953-5589
(843) 953-5446 (FAX)

www.cofc.edu/~geology

After graduation?

Career opportunities are remarkably diverse. While some geoscientists spend most of their time conducting field work, others may spend considerable time in the lab or in an office. Many have the opportunity to do both.

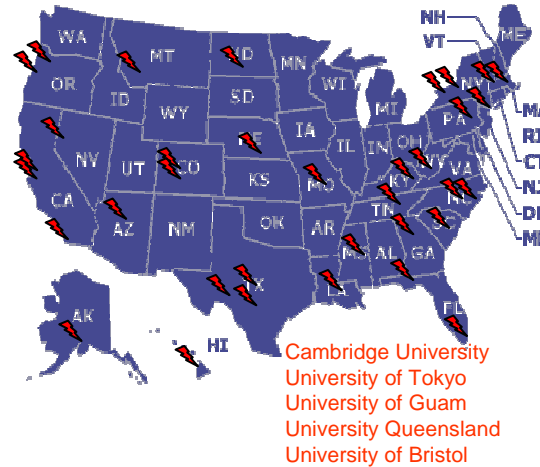
Faculty and alumni are actively involved in assisting recent graduates with job and graduate school opportunities.

Our department, once described as a “diamond in the rough,” has evolved into one that is widely known, mainly because our students have attended graduate programs from coast to coast, as well as prestigious international institutions.

Some of the agencies and industries that employ our graduates are listed below:

- Environmental consulting
- Planetary scientist
- Transportation engineering
- Shipboard technician
- U.S. Military
- Department of Defense consulting
- Organic farming
- Petroleum and natural gas exploration
- Environmental law
- NASA and NOAA
- National Parks
- Bureau of Land Management
- Oceanic research
- Mineral exploration
- CIA (but we didn't tell you)
- Field geologic mapping
- Water resource mapping
- State government environmental regulation
- Environmental Protection Agency
- Natural resource management
- University professors
- K-12 teachers
- Remote sensing and GIS project managers
- Medical profession

Academically qualified graduates from our program at CofC have attended over 30 different Masters and Doctoral programs while receiving tuition waivers and funding ranging from \$8,000 to \$35,000 per year.



Lightening bolts indicate where CofC Geology and Environmental graduates have attended graduate programs.



Graduate student alums at Oregon State University, Portland State University collaborate with an undergraduate, Cascade Mountains, Oregon.



Geology and Environmental Geosciences

Why geosciences?

Geoscientists provide a unique perspective on using science and mathematics to solve common problems affecting society locally, regionally, and on a global scale. There are far fewer geologists and environmental geoscientists than biologists, chemists, accountants, or engineers. Given the relatively low number of qualified graduates the balance with the job market is anticipated to remain good.



Mineralogy and structural geology students relax after completing a field project at a quarry near Columbia, SC