



When Earth is your classroom, you'll find a whole world of opportunity...

Do earthquakes, landslides, and tsunamis intrigue you? Are you fascinated by volcanoes, canyons, and dinosaurs? Want a career that keeps you grounded while letting you travel through time? Then consider the Department of Geology.

Study nature's most dramatic events and discover where precious resources like water, minerals, and fossil fuels are found, and why. Our internationally-respected department offers training for careers in geoscience research, resource discovery and management, and education. Prospective employers include mining and energy companies, environmental consulting and management firms, and government agencies like the National Park Service and U.S. Geological Survey.

You'll study with exceptional teachers (four current faculty members have been named college-wide Distinguished Professor of the Year). We take an interdisciplinary approach to earth science, and feature special strengths in field and analytical techniques. You'll find plenty of opportunities to work on faculty research projects and be encouraged to design your own studies, too.

Our strong emphasis on field work, coupled with our location—near the Grand Canyon, the Colorado Rockies, Death Valley, and the national parks of southern Utah—ensure that you'll be learning in some of the most beautiful classrooms on Earth.

“As an undergraduate in the Geology Department, I was privileged to work closely with exceptional professors who represented a wide variety of geologic specialties. Their ability to balance research and teaching translated directly to students in dynamic, up-to-date courses and abundant opportunities for graduate-driven research.”

Chloë Bonamici, Class of 2004

Degree Programs

- **Bachelor of Science in Geology**
Extended major
- **Bachelor of Science in Geology**
Emphases in environmental geology, geochemistry, Geographic Information Systems (GIS), geophysics, hydrogeology, and paleontology
- **Bachelor of Science in Education, Earth Science Secondary Education**
- **Minor in Geology**

Career Opportunities

Study to become an . . .	Begin your career in a . . .
Environmental scientist	Consulting firm
Geophysicist*	Engineering firm
Hydrologist	Marketing & research firm
Hydrogeologist	Mining company
Mining engineer*	Petroleum company
Paleontologist*	Research laboratory
Petroleum geologist*	State/federal government agency
Seismologist	
Staff geologist	*Further study required

Explore Courses that Jump-start Your Career

Geology and us

In our **Geologic Disasters** course, you will study how geologic processes and hazards impact humans and the Earth. You'll be introduced to earth systems science and consider the ways human activities influence and are influenced by geologic phenomena like erosion and deposition. You'll explore the causes and effects of natural hazards like earthquakes, volcanic eruptions, and tsunamis.

Put it all together

Our two capstone courses will integrate all your undergraduate coursework. In **Advanced Geologic Field Methods** you will conduct four extensive field exercises on or near the Colorado Plateau, gathering and interpreting geologic information from bedrock sites. In **Physics and Chemistry of the Earth**, you will focus on a synthesis of the physics and chemistry of the geologic world, from Earth's core to its surface.

Experience the Work World

Fieldwork is at the core of our program and is offered in conjunction with classroom and laboratory experiences. Undergraduate students are extensively involved in faculty-directed field and laboratory projects. You'll have opportunities to work with a variety of analytical tools, including petrographic microscopes, a scanning electron microscope, X-ray diffraction technology, GIS software, and rugged field computers for mapping.

Discover prehistoric worlds

In our **Ancient Life** course, you will explore the earth's early environments and their influence on the development of plant and animal life, as revealed in the fossil record. In the lab segment, you'll actually examine fossil remains in place on field trips across the Colorado Plateau.

Study Abroad

Study for a summer, a semester, or an academic year in universities around the globe. The university has cooperative agreements with institutions in Australia, Canada, Germany, Ghana, the Netherlands, New Zealand, Norway, and the United Kingdom. We provide international education opportunities to all academically qualified students. Start your travel planning with a visit to nau.edu/international.

Participate!

Meet students and faculty who share your scientific interests in the **NAU Geology Club**, which promotes interest in the earth sciences. Make friends and build your professional network.

Finish in Four

Stay on a four-year track to your degree and save money in the process. The university guarantees that you will have access to the courses you'll need to graduate on time. It's your responsibility to talk to an advisor early. All BS Geology degree paths are eligible. Visit nau.edu/finishinfour.

