

# Geoscience, B.S.

The B.S. in geoscience offers students an extensive and comprehensive background in the Earth sciences and related scientific disciplines, and is geared toward a career in the geosciences. Strengths of the department include environmental geology, geochemistry, geophysics, paleontology, stratigraphy, tectonics, basin analysis, surficial processes, petrology, and volcanology. Students gain extensive field experience and training and are able to integrate field studies and analytical research, with knowledge gained in the classroom. Opportunities are provided for local, regional, and international field experiences as well as for individual research projects.

## Learning Outcomes

Geoscience B.S. graduates will:

- understand the structure, composition, and physical processes of the Earth;
- understand the coevolution of the Earth-life system;
- have the ability to interpret the geologic record in the field;
- understand how to assess and utilize our natural resources in a sustainable manner; and
- develop a quantitative analytical skill set to integrate the diverse array of Earth sciences and related disciplines.