Program in
Earth Sciences
School of the Environment

Degree Options
Bachelor of Science in Earth and Environmental Sciences

Major
Earth Sciences

Minors
Earth Sciences
Environmental Sciences
Wildlife Ecology
Forestry
Natural Resources
Rangeland Ecology and Management

Program Strengths
Get hands-on experience and learn from leading researchers in science labs and teaching Programs like these
- GeoAnalytical Laboratory
- Astrobiology Laboratory
- Computational Geodynamic Laboratory

Work closely with professors who are nationally recognized experts in:
- Geochemistry of large volcanic eruptions
- Exploration of chemical weathering on ecology, hydrology, geochemistry, and microbiology
- Hydrothermal systems
- Magma genesis in volcanic settings and rifting events
- Astrobiology
- Chemical and physical evolution of the Earth

Certification Requirements
24 completed semester credits
2.0 minimum grade point average

Suggested Classes for Freshmen
CHEM 101: Introduction to Chemistry
OR CHEM 105: Principles of Chemistry I
GEOL 102: Physical Geology
MATH 106: College Algebra
MATH 108: Trigonometry

Suggested Classes for Transfer Students
GEOL 210: Introduction to Earth’s History and Evolution
GEOL 315: Water and the Earth
GEOL 350: Mineralogy and Crystallography

Math Requirement
MATH 106: College Algebra
MATH 108: Trigonometry
MATH 140: Calculus for Life Scientists
OR MATH 171: Calculus I
Advanced statistics course

School of the Environment Core Courses

Earth Sciences Core Courses
GEOL 210: Introduction to Earth’s History and Evolution
GEOL 307: Geology Field Camp
GEOL 320: Sedimentary Petrology and Sedimentation
GEOL 340: Geologic Structures
GEOL 350: Mineralogy and Crystallography
GEOL 356: Igneous and Metamorphic Petrology
GEOL 408: Field Geology
PHYS 102: General Physics
OR PHYS 202: Physics II for Scientists/Engineers
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Student Clubs
Geology Club
Environmental Science Club
The Wildlife Society
Forestry Club

Career Options
Exploration geoscientist
Petroleum or mining geologist
Geochemists
Geophysicists
Paleontologists
Climatologists
Hydrologists
Mineralogists
Planetary geologists
Volcanologists
Oceanographers

The School of the Environment is affiliated with both the College of Arts and Sciences and the College of Agriculture, Human, and Natural Resource Sciences.