PROGRAM HIGHLIGHTS

In the Boone Pickens School of Geology, you will benefit from classroom interactions and research opportunities working closely with faculty who are conducting cutting-edge geoscience research aiding to societal and environmental sustainability including climate change.

Field Camp in Cañon City, Colorado teaches mapping, geophysics, and environmental geoscience.

Geochemistry and Geophysics Labs consist of state-of-the-art instruments, equipment, and facilities.

MAJORS

Environmental Geoscience, BS
Geophysics, BS
Geology, BS
Geology: Environmental Geoscience, BS

Geology: Environmental Geology, BS
Geology: Petroleum Geology, BS
Geology: Pre-Law, BS
Geology: Secondary Teacher Certification, BS

Geoscientists study the physical processes of the Earth including the interactions of the geosphere, hydrosphere, atmosphere, biosphere, and exosphere. As a Geology major, you will learn about natural resources, resiliency to natural hazards, and the health of the environment. As a Geophysics major, you will use state-of-the-art technology that integrates geology, mathematics, physics, and computer modeling to explore for oil, gas, minerals, and groundwater and detect earthquakes, cavities, and contaminate hazards. As an Environmental Geoscience major, you will develop specialized skills in interdisciplinary STEM disciplines to contribute to the many and varied environmental issues of the economy.

CONTACT CAS

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CONNECT. ACHIEVE. SUCCEED.
COLLEGE OF ARTS AND SCIENCES
Boone Pickens School of Geology

POTENTIAL CAREERS
- Engineering Geologist
- Oil, Gas, & Minerals Geoscientist
- Hydrogeologist
- Sedimentologist
- Seismologist
- Environmental Geoscientist
- Paleontologist
- Oceanographer
- Geoscience Policy and Communications
- Data Analyst

SCHOLARSHIPS
Many scholarships are available for prospective freshmen, transfer students, current students and continuing students. For more scholarship information, please visit cas.okstate.edu/scholarships

COURSES TO LOOK FOR
- Practical Mineralogy
- Geology of National Parks
- Geology of Human Affairs
- Climate Change and Humanity
- Evolution of the Earth
- Environmental Geophysics
- Introduction to Seismology
- Hydrogeology
- Geochemistry
- Sedimentology and Stratigraphy
- Structural Geology

RESEARCH AND OPPORTUNITIES
- Petroleum Geosciences and Organic Geochemistry
- Continental Dynamics/Tectonics
- Environmental Geosciences
- Paleoenvironment/Climate/Volcanology
- Remote Sensing and Geophysics
- Specialized teaching and research labs
- Participate in independent research projects
- Student organizations
- Study abroad

STUDENT INTERNSHIPS
- Energy companies including oil, gas, and mining
- Department of Energy national labs
- Environmental and geotechnical companies
- National parks rangers
- National Science Foundation research education for undergrads

GET INVOLVED
Stay active on campus while making lifelong friends. Get involved with groups, such as:
- OSU Geological Society
- Association for Women in Geosciences
- American Association of Petroleum Geologists
- Society of Exploration Geophysicists
- CAS Ambassadors
- CAS Student Council

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