



COLLEGE OF
ARTS AND SCIENCES

BOONE PICKENS SCHOOL OF Geology



MAJORS

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

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.

CONTACT CAS

Oklahoma State University
108 Life Sciences East, Stillwater, OK 74078
405-744-4968 (4YOU) | cas.okstate.edu

CONNECT. ACHIEVE. SUCCEED.

#CAScowboys

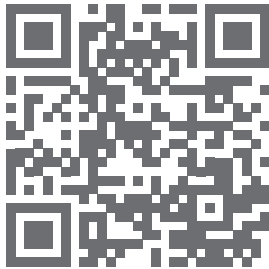


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CAREER & INDUSTRY

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



VIEW WEBSITE

geology.okstate.edu

105 Noble Research Center
Stillwater, OK 74078
405-744-9245

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 EXPECT

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

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

Oklahoma State University
Office of Undergraduate Admissions

admissions.okstate.edu | 405-744-5358