



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](http://cas.okstate.edu)

**CONNECT. ACHIEVE. SUCCEED.**

#CAScowboys

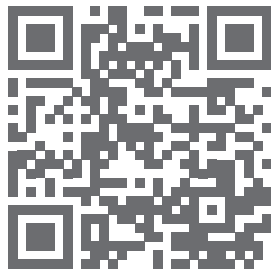


@okstatecas



## POTENTIAL CAREERS

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



VIEW WEBSITE

[geology.okstate.edu](http://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](http://cas.okstate.edu/scholarships)

## COURSES TO LOOK FOR

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](http://admissions.okstate.edu) | 405-744-5358