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.
**COLLEGE OF ARTS AND SCIENCES**

**Boone Pickens School of Geology**

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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

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**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)

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**COURSES TO EXPECT**

- 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

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**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

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**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

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**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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Office of Undergraduate Admissions

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