

DEPARTMENT OF **GEOLOGY & GEOLOGICAL ENGINEERING**

GEOLOGY.MINES.EDU



HELPING SOLVE SOCIETY'S GRAND CHALLENGES

The Department of Geology and Geological Engineering at Colorado School of Mines is the premier department of its kind in the U.S., ranking among the elite worldwide. Geology students and faculty focus on the complex interactions of humans and the earth, addressing some of the great resource and environmental challenges that are shaping the future.

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Large research centers: the Advanced Subsurface Earth Resource Models (CASERM); the Center for Mineral Resources Science (CMRS); the Chevron Center of Research Excellence (CoRE); and the Integrated Ground Water Modeling Center (IGWMC).

TOP 25

The Mines Department of Geology and Geological Engineering was ranked in the top 25 Geoscience Departments by *U.S. News and World Report*.

SIX-WEEK FIELD SESSION

During the departmental field camp, students actually spend six weeks camping at various locations across Colorado in between their junior and senior year, and are given the opportunity to apply classroom knowledge in the field alongside faculty.



DEPARTMENTAL RESEARCH AREAS

- ECONOMIC GEOLOGY
- GEOTECHNICS
- GEOCHEMISTRY
- HYDROLOGY AND GROUNDWATER MODELING
- PETROLEUM SYSTEMS
- UNDERGROUND CONSTRUCTION AND TUNNELING
- RESEARCH PARTNERSHIPS WITH USGS AND CGS

AREAS OF STUDY

Undergraduate students in GE have the opportunity of being part of a program that is hands-on and unique due to the diverse geology that the state of Colorado has to offer.

DEGREES OFFERED

- ✓ **Geological Engineering**
Bachelor's, master's and PhD
- ✓ **Master of Engineering**
- ✓ **Geology**
Master's and PhD offered
- ✓ **Hydrology**
Master's and PhD offered
- ✓ **Professional Master's**
(M.P.S. - interdisciplinary):
Petroleum Reservoir Systems, Mineral Exploration