DEPARTMENT OF PETROLEUM ENGINEERING
PETROLEUM.MINES.EDU

HELPING SOLVE SOCIETY’S GRAND CHALLENGES
The primary objectives of petroleum engineers are the safe and environmentally sound exploration, evaluation, development and recovery of oil, gas, geothermal and other fluids in the earth. Petroleum engineers can do hands-on work drilling, work extensively on computers doing simulations or data analytics, or delve into why and how rocks, gases and fluids react to various stimuli.

AREAS OF STUDY

DEGREES OFFERED
- Petroleum Engineering
  - Bachelor’s, master’s and PhD offered

MINORS
- Midstream
- Petroleum Data Analytics
- Petroleum Engineering

COMBINED DEGREE PROGRAM
- Begin work on a master of science degree while completing a bachelor’s degree.

FIELD SESSIONS
Two summer sessions, one after the completion of the sophomore year and one after the junior year, are important parts of the educational experience. The first is a one-week session designed to introduce the student to the petroleum industry, while the second two-week session is an in-depth study of the Rangely Oil Field and surrounding geology in Western Colorado.

STUDENT ORGANIZATIONS
- Society of Petroleum Engineers
- The American Association of Drilling Engineers
- The American Rock Mechanics Association
- Pi Epsilon Tau National Honors Society

CHEVRON SHORT COURSE SERIES
The Chevron Short Course Series provides intensive one- or two-day courses in software or skills that will be beneficial to seniors entering the workforce. Previous short course topics have included Sucker Rod Pumping Fundamentals, Decline Curve Analysis, Big Data Analytics, Aries, Fracture Design and Introduction to Numerical Simulation.

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Research groups or consortia for students to do hands-on research and work with industry partners.

*Information is from the 2017-18 Mines Career Center Outcomes Survey