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. Common tasks for petroleum engineers include: hands-on work drilling, as well as extensive computer simulation, data analytics and exploration as to why and how rocks, gases and fluids react to various stimuli.

5-10  National lab partners
40+  Industry partners
$87,083  Average starting salary*

AREAS OF STUDY
DEGREES OFFERED
✓ Petroleum Engineering
  Bachelor’s, master’s and PhD offered

MINORS
+ Petroleum Data Analytics
  Master’s certificate also offered
+ 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 students to the petroleum industry, while the second session is a two-week in-depth study of the Rangely Oil Field and surrounding geology in Western Colorado.

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

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

*Information is from the 2019-20 Mines Career Center Outcomes Survey