

PETROLEUM ENGINEERING

B.S. Degree

The mission of the petroleum engineering program is to provide its students with quality education and training in the field of petroleum engineering through effective teaching, research and public service, with emphasis on Alaska petroleum resources.

Petroleum engineering offers a unique look at the challenging problems confronting the petroleum industry. This program requires an understanding of many disciplines including mathematics, physics, chemistry, geology and engineering science. Courses in petroleum engineering deal with drilling, formation evaluation, production, reservoir engineering, computer simulation and enhanced oil recovery. The curriculum prepares graduates to meet the demands of modern technology while emphasizing, whenever possible, the special problems encountered in Alaska. Located in one of the largest oil-producing states in the nation, the UAF petroleum engineering department offers one of the most modern and challenging degree programs available.

The petroleum engineering program educational objectives are:

1. Our graduates will apply their technical knowledge and data analytics skills and have successful careers in the oil and gas industry analyzing real-world petroleum engineering problems, developing innovative solutions underpinned by data and communicating these to meet the needs of multiple stakeholders within the global community.
2. Our graduates will demonstrate professionalism, commitment to ethical standards and lifelong learning through continuing professional development during their careers.
3. Our graduates will contribute significantly to the global petroleum engineering profession and they will exemplify the behaviors, including integrity, empathy, tolerance, respect and fair dealing, necessary to become industry leaders within and beyond Alaska.

Learn more about the petroleum engineering program mission, goals and educational objectives (<https://www.uaf.edu/cem/>).

Minimum Requirements for Petroleum Engineering Bachelor's Degree:
131 credits

Learn more about the bachelor's degree in petroleum engineering (<https://uaf.edu/academics/programs/bachelors/petroleum-engineering.php>), including an overview of the program, career opportunities and more.

College of Engineering and Mines
Department of Petroleum Engineering (<https://www.uaf.edu/cem/>)
907-474-7734

Programs Degree

- B.S., Petroleum Engineering (<http://catalog.uaf.edu/bachelors/bachelors-degree-programs/petroleum-engineering/bs/>)