

PETROLEUM ENGINEERING

College of Engineering and Mines
Department of Petroleum Engineering
907-474-7734
<http://cem.uaf.edu/pete/>

B.S. Degree

Minimum Requirements for Degree: 133 credits

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 have successful careers in the oil and gas industry by using technical knowledge and skills acquired to analyze real-world petroleum engineering problems, develop innovative solutions, and communicate these to meet the needs of multiple stakeholders.
2. Our graduates will demonstrate professionalism through continuing professional development throughout their career, and commitment to ethical standards and lifelong learning.
3. Our graduates will contribute significantly to the global petroleum engineering profession and they will exemplify the behaviors necessary to become industry leaders within and beyond Alaska.

For more information about the petroleum engineering program mission, goals and educational objectives, visit <http://cem.uaf.edu/pete/abet/>.

Degree

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