GO FOR GOLD

P ET R O LE U M  E N G IN E E R I N G

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Petroleum Engineering Faculty

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Continuing UW engineering students and high school seniors are offered more than 275 merit-based scholarships each year.

Approximately 90% of CEAS courses are taught by tenured faculty, with graduate students assisting in the labs.

The small size of the college, a student-faculty ratio of 20:1, and an average class size of 25 provides great hands-on learning and the opportunity to participate in undergraduate research.

Fall and spring career fairs are attended by 50-60 local, regional and national employers/organizations hiring UW engineering students for internships and positions upon graduation. Upon graduation about 55% of graduates have a job in their chosen field, at 3 months 75%, and 6 months 90%.

UW College of Engineering and Applied Science (CEAS) seniors consistently pass the Fundamentals of Engineering Exam with scores 5-12% above the national average.

Three UW residence hall floors with a computing laboratory house approximately 150 students and are designated for engineering students only.

With more than 250 recognized student organizations, UW offers a wide range of opportunities to fit your interests and needs. Engineering students can choose to become involved in Pi Epsilon Tau (Petroleum Honor Society), SPE (Society of Petroleum Engineers), TBP (Tau Beta Pi), SWE (Society of Women Engineers) and many more.

The International Engineering Club, along with Engineers without Borders-Wyoming, was formed to facilitate students interested in study abroad, international internships or international service.

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Petroleum Engineering involves all aspects of oil exploration and development, from identifying and characterizing the reservoir through drilling and completion to production. Petroleum engineers also find new ways to extract oil and gas from older wells and employ new technology to uncover resources that just several years ago were unimaginable. UW offers courses that prepare students for careers in petroleum and energy-related fields. Our state-of-the-art equipment provides higher levels of research capabilities and our award-winning faculty create innovative and rigorous research opportunities for graduate students. Because of U.S. predominance in petroleum technology, career opportunities are available all over the world.

Find out more at uwyo.edu/petroleum

Petroleum Engineering

Petroleum engineering is based upon sound preparation in mathematics, physics, chemistry and geology. Petroleum engineers combine these fundamentals with computer programming, materials science, fluid mechanics and thermodynamics to develop and apply new technology to recover hydrocarbons from conventional and unconventional reservoirs, such as oil shale, tight gas sands, tar sands and offshore oil and gas fields.

Petroleum engineering jobs are projected to grow 10% by 2024.

Careers in Petroleum Engineering

Petroleum engineers work in the upstream oil and gas industries around the world as reservoir engineers, drilling engineers and production engineers. They play a critical role in extracting oil and gas and identifying opportunities to optimize production and profitability. The profession has evolved to solve increasingly difficult situations as conventional reservoirs have been depleted.

The average annual salary for petroleum engineers was $147,520 in 2014.

Degree Programs

- Bachelor of Science in Petroleum Engineering
- Master of Science in Petroleum Engineering
- Joint MS/MBA in Petroleum Engineering
- BS/MS Quickstart in Petroleum Engineering
- Doctor of Philosophy in Petroleum Engineering

Mohammad Piri and his research group strive to bridge the gap between fundamentals of porous media flow systems consistent with fundamental scientific needs of the industry.