

PETROLEUM ENGINEERING, B.S.



The Montana Tech Petroleum Engineering program is designed to provide students with a comprehensive education across three core areas: drilling engineering, production engineering, and reservoir management. The curriculum emphasizes hands-on learning, with students participating in five practical labs per semester. In addition, students have the unique opportunity to gain real-world experience during a weekend trip to an active gas and oil field development area in the Northern Rockies.

APPLYING IS EASY AND FREE.

Montana residents can apply for free at applymontana.mus.edu.

Nonresidents can apply for free at mtech.edu/applynow.



APPLY HERE!

PLAN YOUR NEXT ADVENTURE.

We offer personalized campus visits most weekdays, including a meeting with a faculty member. We're confident you'll love visiting our campus, which overlooks historic Uptown Butte. To prove it, we're offering a complimentary one-night hotel stay to all visitors traveling 100 miles or more! Learn more about availability and schedule your visit at mtech.edu/visit.



LEARN MORE



MONTANA
TECHNOLOGICAL UNIVERSITY



Engineering
Accreditation
Commission

www.mtech.edu/petroleum-engineering

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I'm a Montana boy from the Hi-Line. I went to Montana Tech because it was the best value. I worked on rigs in summers to help pay for college, and Career Services did a great job of helping me get internships, especially for someone who didn't have prior connections in the industry. As far as value, Montana Tech was the greatest investment I ever made.

-Peter Spangelo, B.S. Petroleum Engineering, '07

CAREER PATHS

Montana Tech's petroleum engineering graduates have a broad range of career options, not just limited to the traditional petroleum industry. They find work in various fields, including:

- **Petroleum Industry:** Graduates secure roles in the traditional oil and gas sectors, specializing in areas like reservoir engineering, production engineering, and drilling operations.
- **Geothermal and Groundwater:** Their expertise in fluid flow and subsurface systems is highly applicable to the growing geothermal energy sector and groundwater management.
- **Environmental and Government:** Many graduates apply their skills to environmental roles, such as reclamation and remediation, or work for government agencies involved in energy policy and resource regulation.
- **Other Industries:** The analytical and problem-solving skills learned in petroleum engineering are transferable to other sectors, including finance, consulting, and data analysis.



\$141,280
median annual salary
(BLS, 2024)

WHERE DO OUR GRADUATES GO?



WHY STUDY PETROLEUM ENGINEERING AT MONTANA TECH?

Studying petroleum engineering at Montana Tech offers a robust and comprehensive education with strong connections to the industry. The program provides a blend of specialized knowledge, hands-on experience, and career support that sets graduates up for success.

Specialized and Hands-On Learning

Montana Tech's curriculum offers in-depth specializations in **reservoir, drilling, and production engineering**. This focus, combined with extensive **hands-on experiences**, prepares you for real-world challenges. You'll gain practical skills through classes, student organizations like the Society of Petroleum Engineers, and research opportunities with faculty. The program's access to **high-tech labs** and field experiences, utilizing sophisticated instruments, ensures you're familiar with the latest technology.

Mentorship and Career Preparation

A key advantage is the strong student-to-faculty ratio (13:1), which allows for one-on-one interactions with faculty who act as mentors. These professors guide you from the classroom to your career, leveraging their industry connections. The university also provides robust support for securing internships and networking with professionals, giving you valuable exposure to the industry before you even graduate.

Diverse Career Opportunities

A degree from Montana Tech prepares you for a variety of **in-demand and high-paying careers**. While many graduates enter the traditional petroleum industry (drilling, production, and reservoir engineering), the skills you acquire are highly transferable. You'll also be prepared for careers in growing fields like **geothermal, groundwater, and environmental engineering**, as well as roles in government and other sectors. This versatility ensures you have excellent professional opportunities even in a shifting economic landscape.



HANDS-ON LEARNING

- The Society of Petroleum Engineers student Chapter
- The American Association of Drilling Engineers Student Chapter
- Compete in competitions like the North America PetroBowl Championship