Petroleum Engineering Bachelor of Science (B.S.)

Tap into a field growing twice as fast as the national average.

UND’s Petroleum Engineering program is the only one in North Dakota and was designed with industry input. The hands-on learning offered at UND will give you the technical skills to recover oil and gas, and the insight you’ll need to address future industry challenges.

**Program type:** Major  
**Format:** On Campus or Online  
**Est. time to complete:** 4 years (6+ online)  
**Credit hours:** 129

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**Why study petroleum engineering at UND?**

**Application Deadlines**

- **Fall:** Aug. 17  
- **Spring:** Dec. 15  
- **Summer:** May 1

North Dakota is the nation’s second-largest leading producer of oil, a status driven by advances in recovering resources from the enormous Williston Basin. We’re committed to educating the next generation of petroleum engineers. Our graduates will fulfill today’s demand for domestic oil and lead the way to discovering safe, reliable and affordable ways to use oil resources.

You’ll receive a thorough grounding in chemistry, engineering, geology and physics while also learning about ethics, safety, communications and other skills necessary to pursuing an entry-level job in the field. In addition, you’ll get a firm understanding of the issues affecting the industry, including:

- Science and technology  
- Economics and business  
- Policy and regulation  
- Society and behavior

**2 + 2 Partnership Program**

In partnership with Williston State College, the 2+2 Petroleum Engineering program at UND allows students who have earned their associate in science degree from Williston State College the opportunity to receive a bachelors degree in petroleum engineering from UND in approximately 2 years.

**Petroleum Engineering at UND**

- Study petroleum engineering at an accredited university. The UND petroleum engineering program is accredited by the Engineering Accreditation Commission of ABET.  
- Tour oil fields around the world without leaving campus in the newly opened Hess Virtual Reality Lab.  
- Take a seat at the Drilling Systems Control Simulator and learn how to manage day-to-day operations at oil and gas wells, or crisis situations, in complete safety.
Get a career-ready education thanks to UND’s relationships with industry partners such as the American Petroleum Institute, North Dakota Petroleum Council and our own Industry Advisory Council.

Access the only core and sample library in North Dakota, which contains samples from three-quarters of the state’s oil and coal reservoirs.

Host to the world’s largest – and only - oil drilling simulator.

Jobs in Petroleum Engineering

128K  Median salary in 2016 for a petroleum engineer in the U.S.*
- U.S. Bureau of Labor Statistics

15%  Expected growth in demand for petroleum engineers by 2026 - much faster than the average for all careers*
- U.S. Bureau of Labor Statistics

Petroleum engineers are in great demand: More than 90 percent of our graduates find jobs. Employers of petroleum engineers are involved in the following fields:

- Petroleum exploration
- Geologic formation characterization
- Drilling and fracturing
- Computer simulation
- Equipment and process design to optimize recovery
- Monitoring of production and processing

In addition, petroleum engineers are involved in refining, petro-chemical production and transportation of products, as well as geosciences, environmental efforts and international business

When You Major in Petroleum Engineering

A Petroleum Engineering degree gives you the strategic skills you need, including:

- Oil and Gas
- Production Engineering
- Reservoir Engineering
- Strategic Planning

UND Petroleum Engineering Major Alumni

Petroleum Engineering alumni have gone on to a variety of successful careers with:

- Center for Energy and Environment
- Keane Group Holdings, LLC
- Continental Resources, Inc.
- Eog Resources, Inc.
- FedEx Corporation

Top Online Engineering College in the Nation

UND is increasingly regarded as one of the top academic and research institutions in the nation. Our online petroleum engineering program ranks among the best for educational quality, affordability, and career outcomes.

Explore More Options

Looking to add a double major, pursue graduate work or connect with the petroleum engineering department?

- Department of Petroleum Engineering
- Explore Similar Majors
- Pursue a Graduate Degree

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UND.edu/programs