Mechanical Engineering (B.S.)

Why wait until graduation to get on-the-job experience? Get it now through co-op.

Machines are at the core of our daily lives, and mechanical engineers are responsible for designing them. The Mechanical Engineering program at the University of North Dakota is based around a strong technical curriculum that will give you the skills to understand the practical uses of math, science and engineering theory.

Program Snapshot

Program type: Major
Format: On-campus or online
Est. time to complete: 4 years (on campus); 6+ years (online)
Credit hours: 129

Why Study Mechanical Engineering at UND?

Gain hands-on experience from even the first courses you take in the University of North Dakota's Mechanical Engineering program. You'll take four science courses with labs during your first two years, and you'll build a component or system designed by you in at least one class every year. Through it all, you'll learn in classes taught mostly by faculty members — all of whom are committed to your success. All your classes will emphasize teamwork and collaborative problem solving, mandatory skills in today's workplace.

Our combined degree program could let you earn a master’s degree in mechanical engineering in just one additional year.

You may focus on one of four optional concentrations:

- Mechanical Design
- Thermal Sciences
• Manufacturing & Materials
• Aerospace (134 credit hours required)

Accreditation

Accredited by the Engineering Accreditation Commission of ABET

Application Deadlines

FALL: Feb. 1* (on campus freshmen)  April 15* (on campus transfer students)  Aug. 10 (online)
SPRING: Dec. 1
SUMMER: April 1 (on campus) | May 1 (online)
*academic scholarship priority deadline

Program Highlights

• Get on-the-job experience as an entry-level engineer in our co-op program as you work for companies such as Honda, Energizer, Xcel Energy and more while still a student — and while being paid.
• Work on wind-tunnel experiments, space hardware design, nanotechnology and other projects.
• Solve real-world industrial problems in design projects sponsored by 3M, NASA, Arctic Cat and more.
• Earn a mechanical engineering degree wherever you live or work through our Distance Engineering Degree Program.

Outcomes

84K
Median annual salary for a mechanical engineer*

25K
Number of new mechanical engineering jobs expected by 2026*

*U.S. Bureau of Labor Statistics
You'll graduate with the skills to pursue a career in mechanical design, thermal systems, and manufacturing and materials in industry or government. As one of the most versatile engineering disciplines, you'll find opportunities in a broad spectrum of industries, including:
• Airlines
• Alternative Energy
• Construction
• Consumer Products
• Defense Industries
• Medical
• Petroleum
• Transportation

UND students have gone to work at companies including:

• Arctic Cat
• Boeing
• Emerson
• Goodrich Corp.
• Marvin Windows
• Polaris
• 3M