Mechanical Engineering (B.S./M.S. or M.Eng.)

Looking for a fast path to a graduate-level education in mechanical engineering? A combined degree from UND is the answer.

There’s no better way to expedite your graduate-level education in mechanical engineering than with a UND combined degree program. A master of engineering degree (M.Eng.) is an ideal degree designed to fast-track your career options in a variety of industries. The UND combined B.S. and M.S. degree program allows you to achieve a graduate-level education quickly and efficiently. Benefit from either program designed to give you real-world experience and problem solving technical skills in mechanical engineering.

Program Snapshot

- **Program type:** Combined (Major and Master's)
- **Format:** On-campus or online
- **Est. time to complete:** 5-6 years
- **Credit hours:** B.S./M.S. 159 (thesis option), 161 (non-thesis option) | B.S./M.Eng. 153-159

Why Study Mechanical Engineering at UND?

Expedite your graduate-level education with a combined degree in mechanical engineering. You'll gain all the technical expertise that will prepare you for a career in government or industry in mechanical engineering, or a related field.

The combined B.S./M.S. preparation will include guided, independent research and advanced coursework in mechanical engineering and related areas. The curriculum is designed to help you develop a mastery of scientific research by formulating, assessing and documenting a scientific hypothesis.

With the B.S./M.Eng. program, you'll be prepared to effectively apply modern engineering principles to the evolving needs of industry and society. You'll gain the technical skills to excel in fields such as manufacturing, materials science, mechanical design, thermal sciences and aerospace applications.

Best of all, you'll learn through hands-on education, leadership opportunities and research experiences.

How the Combined Degree in Mechanical Engineering Works

If you are an incoming freshman or transfer student, apply to UND and your program. As a current student, connect with your advisor to make sure you stay on track for the combined program. During your junior year, you can officially apply to the School of Graduate Studies. Complete the required courses, and you'll earn both your B.S. and graduate degree at the same time.

Leaders in Action

Colin Sabie is an Army veteran who found inspiration during his military experience to study mechanical engineering.

Application Deadlines

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

STUDENTS SEEKING THE COMBINED DEGREE MAY APPLY TO THE SCHOOL OF GRADUATE STUDIES AFTER
COMPLETING 60 CREDITS.
Graduate Application Deadlines

<table>
<thead>
<tr>
<th>Season</th>
<th>Priority Deadline</th>
<th>Regular Deadline</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Feb. 1*</td>
<td>Aug. 15</td>
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<tr>
<td>Spring</td>
<td>Oct. 1</td>
<td>Dec. 15</td>
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<tr>
<td>Summer</td>
<td>Feb. 1*</td>
<td>May 15</td>
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*Priority deadline

Mechanical Engineering Overview

- UND combined programs allows you the chance to double six credit hours (so they count as twelve).
- Learn how to apply modern engineering principles to the evolving needs of industry and society. Focus your studies in manufacturing, materials science, mechanical design, thermal sciences and aerospace applications.
- Benefit from a program that supports collaborative, multidisciplinary research and learning in a stimulating environment.
- Typical working projects include wind tunnel experiments, space hardware design, nanotechnology development, pressure vessel research, coal combustion, agricultural innovations and precision machining.

Mechanical Engineering Careers

86K  Median annual salary for a mechanical engineer*
9%  Expected growth for the mechanical engineering profession through 2026*

*U.S. Bureau of Labor Statistics

UND graduates have successful career in a variety of industries, including power, aircraft, automotive, and defense. Most of our students receive job offers before they graduate, or elect to continue in graduate education. Cooperative education opportunities and summer internships are also available to you during your academic career at UND.

Many UND mechanical engineering graduates choose to work locally with companies such as:

- Arctic Cat
- Polaris
- Marvin Windows
- Goodrich Corporation

When You Earn a degree in Mechanical Engineering

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

- Computer-Aided Design
- AutoCAD
- SolidWorks (CAD)
- Creo Elements/Pro (Computer-Aided)
- Design Software
- Finite Element Methods

UND Mechanical Engineering Alumni

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

- Seconn Automation Solutions, Inc.
- 3M Company
- Cirrus Design Corporation
- The Boeing Company
- Center for Energy and Environment