Electrical Engineering (Combined B.S./M.S. or M.Eng.)

Get on the fast track with a combined degree program that prepares you for an exciting and rewarding professional career.

Electrical engineers with graduate degrees have more opportunities and command greater salaries. If you’re focused on expanding your options, you can work toward both bachelor’s and master’s degrees in electrical engineering under the same structured program, with some courses eligible for double counting. This unique program can help you accelerate down your career path.

Program Snapshot

| Program type: Combined (Major and Master's) |
| Format: On-campus or online |
| Est. time to complete: 4-6 years |
| Credit hours: 149-155 |

Why Earn a Combined Degree in Electrical Engineering at UND?

Advancing your electrical engineering education to a graduate level through a combined program can fast track your options in a society that is increasingly powered. Strong trends like energy efficiency, sustainability, security and health advocacy are driven by those with the right expertise to solve electrical problems.

With the electrical engineering program, you'll benefit from a curriculum that provides the real-world experience you need to succeed with opportunities to:

- Grow your critical thinking skills and develop creative aptitude based on the theory, principles and techniques of electrical engineering.
- Prepare yourself for a rewarding career at top global companies in a range of major industries.
- Develop your teamwork skills as you work alongside students and faculty to solve complex component and device challenges.
- Complete an independent study tailored to your interests.

Accredited Engineering Program

The undergraduate electrical engineering program is ABET accredited.

How Combined Degrees Work

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.

M.S. vs. M.Eng. in Electrical Engineering

UND offers both Electrical Engineering Master of Science (M.S.) and Master of Engineering (M.Eng.) degrees. It is recommended you connect with the Department of Electrical Engineering before making a final decision. However, in general, a M.Eng. program is more course-based,
while the M.S. program includes a thesis or research project/independent study.

**Application Deadlines**

**FALL**: FEB. 1* (ON CAMPUS FRESHMEN) APRIL 15* (ON CAMPUS TRANSFER STUDENTS) AUG. 10 (ONLINE)
**SPRING**: DEC. 1
**SUMMER**: MAY 1 (ONLINE)

*academic scholarship priority deadline

Students seeking the combined degree may apply to the School of Graduate Studies after completing 60 credits.

**Graduate Application Deadlines**

**FALL**: AUG. 15
**SPRING**: DEC. 15
**SUMMER**: MAY 15

**Electrical Engineering Program**

- Work toward bachelor's and master's degrees more efficiently in a combined program with credit hours that can be double-counted for certain courses.
- Dive into today's "hot" technologies: mobile health-monitoring, renewable energy systems, unmanned aerial systems, wireless communications.
- Receive hands-on research opportunities with electrical engineering professionals.
- Participate in the annual NASA Robotics competition at the NASA Kennedy Space Center in Florida.
- Gain support from the U.S. Department of Energy's National Renewable Energy Laboratory (NREL).

**Electrical Engineering Jobs**

The median salary for an electrical engineer with a master's degree is $110,000.*

According to the U.S. Bureau of Labor Statistics, engineers in various fields with a master's degree had a median salary up to 13% higher than their counterparts with a bachelor's degree.

*U.S. Bureau of Labor Statistics

As an electrical engineer, you can work in a variety of industries such as electric utilities, manufacturing, telecommunications, engineering consulting firms and the federal government.

University of North Dakota graduates of the electrical engineering program have gone on to work at:

- General Dynamics
- Innovative Laser Technologies
- John Deere
- RF Controls, LLC
- Rockwell Collins
- Software Quality Leaders Inc.
- UTC Aerospace Systems

Beyond preparing you to work in private industry or government, your combined Bachelor of Science and Master's in Electrical Engineering degree will prepare you for doctoral studies in electrical engineering or related fields.