Electrical Engineering (B.S.E.E.)

Help power the world forward with the electrical expertise to impact vital fields like energy, technology and health.

If you have a fascination with electricity and its nearly endless applications, along with a desire to problem-solve and innovate, the field of electrical engineering is right for you. With a program that includes options to focus on aerospace, biomedical, and computer science, you’ll gain a foundational and specialized education to begin your electrifying career journey.

Program Snapshot

Program type: Major  
Format: On-campus or online  
Est. time to complete: 4-5 years  
Credit hours: 125

Why Study Electrical Engineering at UND?

Electrical engineers are integral to creating the components that power our world, today and in the future. It’s a fascinating, challenging and rewarding profession that offers many different specialty options, excellent compensation and exceptional opportunity.

With UND’s electrical engineering undergraduate program, you’ll benefit from a curriculum that provides a strong foundation in the traditional and contemporary areas of electrical engineering, along with opportunities to:

- Get the hand-on experience that will develop your ability to identify, formulate and solve electrical engineering problems.
- Learn leadership, communication, multidisciplinary teamwork, entrepreneurial and lifelong learning skills necessary for success in a global marketplace.
- Gain the valuable skills to practice electrical engineering and related fields.

Top Online Engineering College in the Nation

The bachelor's in electrical engineering if offered 100% online. You never have to come to campus. UND is increasingly regarded as one of the top academic and research institutions in the nation for engineering. We consistently rank among the best for educational quality, affordability, and career outcomes.

#2 - Best Online Colleges Offering Bachelor's in Engineering Degrees in 2019

ABET Accredited

Study electrical engineering at an accredited university. UND’s undergraduate electrical engineering program is ABET accredited.

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
B.S.E.E. Highlights

- Learn by doing with a program that allows you to design and conduct experiments, as well as analyze and interpret data.
- Practice engineering by using knowledge and skills for problem analysis and solving in a wide range of professional settings.
- Learn how to design a system, component or process to meet goals within realistic budget, compliance, manufacturing and other real-world constraints.
- Apply techniques, skills and modern engineering tools needed in today’s electrical engineering practice.
- Pair your engineering degree with an additional focus in computer science, aerospace or biomedical engineering.

Jobs in Electrical Engineering

94K
The median salary for an electrical engineer*

9%
Projected growth for electrical engineering jobs through 2026, faster than average for engineering jobs*

*U.S. Bureau of Labor Statistics

Electrical engineers experience some of the highest job satisfaction ratings of all careers, with opportunities at some of today's most exciting and dynamics global corporations in defense, aerospace, automobiles, technology and energy fields.

UND electrical engineering graduates can expect a range of opportunities in electrical engineering, and many have recently gone onto careers in top regional and global engineering firms like:

- 3M
- Boeing
- Hitachi
- IBM
- Rockwell Collins
- Raytheon