

Electrical Engineering

Bachelor of Science

What is Electrical Engineering?

Electrical engineers make modern society possible – designing and developing the electronic hardware and software that make up products like computers, cell phones, airplane autopilots, and more.

As an electrical engineer graduate from South Dakota Mines, you'll have the opportunity to work in a wide range of industries, from aerospace to mining.

What does a electrical engineer do?

Electrical engineers apply the physics and mathematics of electricity, electromagnetism, and electronics to develop, build, and maintain electrical systems, machines, and equipment.

As a South Dakota Mines electrical engineering major, you will learn to design and maintain electrical systems in everything from automobiles and aircraft to smart watches and cell phones. You will train in our professional labs, learning through hands-on activities and real-life projects such as developing prototype sensors to be used in NASA space suits.

With an electrical engineering degree from South Dakota Mines, you can expect to earn an average starting salary of \$63,127. Job placement rate for 2018-19 South Dakota Mines electrical engineering graduates was 100%.

Careers

An electrical engineering degree from South Dakota Mines means you can work in a variety of fields, including:

- robotics
- mobile and computers
- electronics
- communication systems
- electromagnetism
- antennas
- alternative energy, smart grids
- manufacturing and industrial automation
- power generation, transmission, and distribution
- and many others



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For more information: <https://www.sdsmt.edu/Academics/Degrees/Electrical-Engineering/>

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