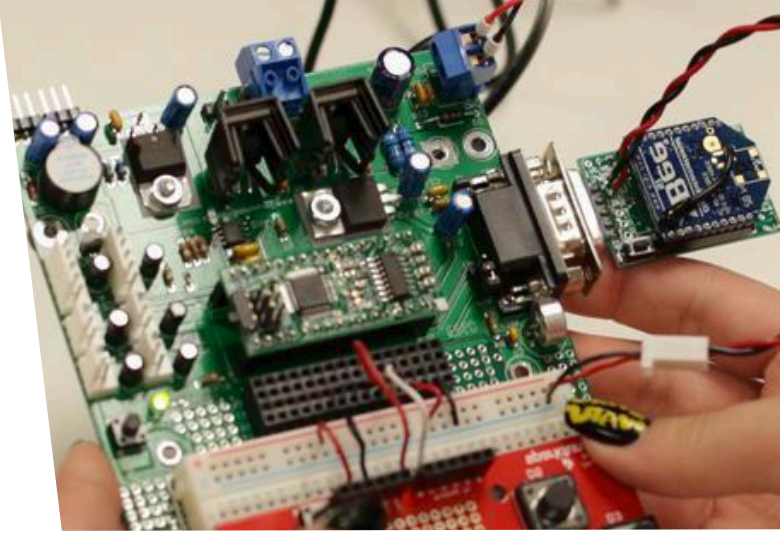


DEPARTMENT OF ELECTRICAL ENGINEERING

ELECTRICAL.MINES.EDU



PROGRAM SCOPE

The Department of Electrical Engineering at Mines produces future leaders who serve the profession, the global community and society. In addition to the ABET-accredited undergraduate curriculum, students attain technical expertise by completing course work and projects reflective of modern technology trends, while considering the broader impacts of engineering solutions on society and human lives.

97%

**GRADUATES WITH
POSITIVE OUTCOMES***

\$76,265

**AVERAGE
STARTING SALARY***

25:1

**STUDENT TO
FACULTY RATIO**

AREAS OF STUDY

Students have access to modern technology and advanced laboratories. They are supported by faculty advisors who clarify engineering principles and help select technical electives best aligned with career goals.

DEGREES

- ✓ **Electrical Engineering**
Bachelor's, master's and PhD
- ✓ **Combined BS+MS**

MINORS

- ▶ **Electrical Engineering**

INTERNSHIP & CAREER OPPORTUNITIES

With a wide variety of career opportunities available, students and graduates are in charge of their future:

- Renewable energy
- Antennas and aerospace
- National Government Organizations
- Law
- Intelligence and data managements
- Systems engineering and manufacturing
- Engineering consulting
- Utility industry
- Computer industry
- Microwave and RF industry

EMPHASIS AREAS

ENERGY SYSTEMS & POWER ELECTRONICS

This area encompasses a broad spectrum of electrical energy applications including investor-owned utilities, rural electric associations, manufacturing facilities, regulatory agencies, national laboratories, government agencies and consulting engineering firms.

INFORMATION SYSTEMS & SCIENCES

Interdisciplinary area encompassing the fields of control systems, signal and image processing, compressive sensing and optimization.

ANTENNAS & WIRELESS COMMUNICATIONS

This area relates to the design of antennas, antenna arrays and microwave and RF devices for communications and sensing applications.

INTEGRATED CIRCUITS & ELECTRONIC SYSTEMS

This area involves analysis and design of analog and digital circuits to solve practical problems in communications, robotics and control.