**College:** MCECS  
**Department:** Electrical Engineering  
**Degree:** B.S.

**Introduction for Students**  
The Department of Electrical and Computer Engineering offers programs in electrical and computer engineering. Cooperative educational arrangements with Portland-area industries, government agencies, and engineering consulting offices are available to qualified students. Qualified freshmen are encouraged to participate in the University Honors Program. Qualified upper-division students should consider the Electrical and Computer Engineering departmental honors track.

The electrical engineering and computer engineering programs at Portland State University are accredited by the Engineering Accreditation Commission of ABET.

**Undergraduate Program Learning Outcomes**

An ability to apply the knowledge of mathematics, science and engineering.

An ability to communicate effectively.

An ability to design a system, component, or process to meet a range of informal to formal descriptions/specifications

An ability to design and conduct experiments, as well as analyze and interpret data.

An ability to function on multidisciplinary teams.

An ability to identify, formulate, and solve engineering problems.

An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

An understanding of professional and ethical responsibility.

Have the broader education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

Knowledge of contemporary issues.

Recognition of the need for, and an ability to engage in life-long learning.