

**College: MCECS**  
**Department: Computer 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 Fast Track B.S. + M.S. (4+1) Program.

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 identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors

An ability to communicate effectively with a range of audiences

An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

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*To update this information, please contact Brian Sandlin in OAA at [bsandlin@pdx.edu](mailto:bsandlin@pdx.edu).*