Student Learning Objectives

ECE Program Outcomes:
Each graduate awarded the BS degree in CSE or EE shall:

• Be able to apply knowledge of mathematics, science, and engineering.
• Be able to design and conduct experiments, as well as to analyze and interpret data.
• Be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health, and safety, manufacturability, and sustainability.
• Be able to function on multi-disciplinary teams.
• Be able to identify, formulate, and solve engineering problems.
• Have an understanding of professional and ethical responsibility.
• Be able to communicate effectively.
• Have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
• Recognize the need for, and be able to engage in, life-long learning.
• Have knowledge of contemporary issues.
• Be able to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Assessment tools

• Direct: Student portfolio; Senior Design Project; tracking of passing grades, which mean that the student has demonstrated adequate proficiency in the material for faculty to certify that the related outcomes have been met.
• Indirect: student surveys; alumni surveys; industry/employer surveys; student participation in professional activities; student involvement in extracurricular activities (self-study, research, honors colloquia, etc...).

Highlighted recent activities

no information