

Electrical and Computer Engineering Student Outcomes

By the time the students complete and graduate from the Electrical & Computer Engineering Program, they will be able to:

- A.** Apply knowledge of advanced mathematics, chemistry, physics, and engineering.
- B.** Design and conduct experiments, as well as to analyze and interpret data.
- C.** 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.
- D.** Contribute to multi-disciplinary / multi-cultural teams.
- E.** Identify, formulate, and solve electrical engineering problems.
- F.** Demonstrate an understanding of professional and ethical responsibility.
- G.** Communicate effectively through written and verbal.
- H.** Appreciate the impact of engineering solutions in a global, economic, environmental, and societal context.
- I.** Recognize the need to engage in life-long learning.
- J.** Demonstrate knowledge of contemporary issues.
- K.** Apply the techniques, skills, and modern engineering test equipment and software applications necessary for engineering practice.
- L.** Demonstrate the leadership competencies of self-awareness, self-management, social-awareness, and relationship management.