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.