

Program Outcomes

The Bachelor of Electrical Engineering Program is designed to produce graduates who have:

- (a) an ability to apply knowledge of mathematics, science and engineering to general electrical engineering and in particular, to one or more of the following areas: communications, computers, controls, power electronics and power systems
- (b) an ability to design and conduct electrical engineering experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve electrical engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global and societal context
- (i) a recognition of the need for, and an ability to engage in life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for electrical engineering practice.