BSEEOL Student Outcomes

The Bachelor of Science program in electrical engineering has the following student outcomes: (a)-(k).

a) an ability to apply knowledge of mathematics, science, and engineering;

b) an ability to design and conduct experiments, as well as to analyze and interpret data;

c) an ability 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;

d) an ability to function on multi-disciplinary teams;

e) an ability to identify, formulate, and solve 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, economic, environmental, and societal context;

i) a recognition of the need for ability to engage in life-long learning;

j) a knowledge of contemporary issues, and

k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.