

Student Outcomes	Program Objectives				
	Careers in industry or academia or engaged in advanced study.	Adapt to changes in technology as well as to the needs of society.	Continue to seek knowledge to thrive in an increasingly globalized society.	Are successful team members or team leaders.	Conduct themselves with integrity and incorporate proper ethical considerations in their work
a) an ability to apply knowledge of mathematics, science, and engineering	X	X		X	
b) an ability to design and conduct experiments, as well as to analyze and interpret data	X	X		X	
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	X	X	X	X	X
d) an ability to function on multidisciplinary teams			X	X	X
e) an ability to identify, formulate, and solve engineering problems	X	X		X	
f) an understanding of professional and ethical responsibility		X		X	X

g) an ability to communicate effectively	X			X	
h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context		X	X	X	X
i) a recognition of the need for, and an ability to engage in, life-long learning			X	X	
j) a knowledge of contemporary issues		X		X	
k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	X	X		X	