

Outcomes	An ability to apply knowledge of mathematics, science, and engineering.	An ability to design and conduct experiments, as well as to analyze and interpret data.	An ability to design a system, component, or process	An ability to function on multidisciplinary teams.	An ability to identify, formulate, and solve engineering problems.	An understanding of professional and ethical responsibility.	An ability to communicate effectively.	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.	A recognition of the need for, and an ability to engage in life-long learning.	A knowledge of contemporary issues.	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
ABET Student Outcome	a	b	c	d	e	f	g	h	i	j	k
Courses											
Basic skills and Understanding											
Written Communication				I			D	D	D		
World Civilizations				I		D		D	D		
Arts and Humanities											
Elective								I	I		
Elective								I	I		
Social Science											
Economics								I	I		
Elective								I	I		
Mathematics											
Calculus I	D	I			I						
Calculus II	D				I						
Calculus III	D				I						
Calculus IV	D				I						
Statistics & Probability		M									
Physical Science											
Chemistry	D		I						I		
Chemistry Lab	D		I	I			D		I		
Organic Chem	M		I						D		
Organic Chem Lab	M		I	I			D		D		
Physics I	D	I			I			I	I		
Physics Lab	D	I		I	I		D		I		
Physics II	M	D			D			I	D		
Physics II Lab	M	D		I	D		D		D		

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Courses											
BE Electives											
Introduction to BE (150)	I	I	I	I	I	I	I	I	I	I	I
Geotech. Engineering (CEE 355)	M	D	M	D			D				
Engineering Economics (405)				D	M			D			M
Bioenergy and Biofuels (410)	M	M	D	D	D		D	M	D	D	D
Food Engineering (411)	D	M	D	M	D		D		D		D
Sensors & Instr. for Biol. Syst. (420)	M	M	D	M	M		M	I	D	D	M
Environmental Biotechnology (431)	M	M	M	D			D	M		M	
Biosystems Unit Operations (437)	D	D	M	D	I		D	D	I		I
Bioreactor Design & Analysis (460)	M	M	M	D	D		M	D	D	D	D
Bioprod. & Bioproc. Design (470)	D	M	M	D	M		D	D	D		M
Mechanics of Solids (ME 371)	D		D	D	D						D