

Program Objectives (abbreviated)

Program Outcome	Prepare students to assume positions of technical expertise in ChE	Provide students with an education enabling them to succeed in graduate studies	Encourage students to remain committed to lifelong learning	Prepare them to succeed in industry or other professional careers	Prepare students to assume positions of technical leadership
a. apply knowledge of mathematics, science, and engineering	X	X		X	X
b. ability to design and conduct experiments	X	X		X	
c. ability to design a system, component, or process	X			X	
d. ability to function on multi-disciplinary teams	X			X	X
e. ability to identify, formulate, and solve engineering problems	X	X		X	
f. understanding of professional and ethical responsibility				X	X
g. ability to communicate effectively				X	X
h. understanding of the impact of engineering solutions in a global, economic, environmental, and societal context				X	X
i. recognition of the need for, and an ability to engage in life-long learning			X		
j. knowledge of contemporary issues				X	X
k. ability to use the techniques, skills, and modern engineering tools		X			

Program Objectives (abbreviated)

Prepare students	Provide students	Encourage students to	Prepare them to succeed	Prepare students
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Core Curriculum Course	to assume positions of technical expertise in ChE	with an education enabling them to succeed in graduate studies	remain committed to lifelong learning	in industry or other professional careers	to assume positions of technical leadership
ChE 0100 Foundations (Program Outcome a, e, k)	X	X		X	X
ChE 0200 Thermodynamics (Program Outcome a, e, k)	X	X		X	X
ChE 0300 Transport (Program Outcome a, c, d, e, g, k)	X	X		X	X
ChE 0400 Reactive Process (Program Outcome a, c, d, e, g, k)	X	X		X	X
ChE 0500 Dynamics/Model (Program Outcome a, c, e, k)	X	X		X	X
ChE 0600 Design (Program Outcome c, d, f, g, h, j, k)	X	X		X	X
ChE 0602 Safety & Ethics (Program Outcome d, f, g, h, j)				X	X
ChE 0X01 Laboratory (Program Outcome b, d, f, g, i, k)	X	X	X	X	X
ChE 1085 Seminar (Program Outcome i)			X	X	X