

PROGRAM OUTCOMES Mapped		CE 310	RTE 301	RTE 303	RTE 305	CE 335	CE 360	RTE 402	RTE 302	CE 336	CE 337	CE 333W	CE 340	CE 332	RTE 403	RTE 404	RTE 406	Count
1	an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	x			x	x	x	x	x				x		x			8
2	an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors							x	x			x		x			x	5
3	an ability to communicate effectively with a range of audiences	x		x							x	x				x	x	6
4	an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal context.		x	x				x				x		x				5
5	an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives			x							x			x		x	x	5
6	an ability to develop and conduct appropriate experimentation, analyze, and interpret data, and use engineering judgment to draw conclusions	x								x	x			x	x	x		6
7	an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	x		x					x			x		x	x	x		7
Totals/Course		4	1	4	1	1	1	3	3	1	3	4	1	5	3	4	3	