Physics	1. an ability to identify, formulate, and solve complex problems by applying principles of science, and mathematics (CC: CT)	2. an ability to apply physical principles, mathematical reasoning, and computational techniques 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	Students will be able to speak about their work with precision, clarity and organization. (CC: OC)	Students will be able to write about their work with precision, clarity and organization. (CC: WC)	Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand. (CC: IL)	4. an ability to recognize ethical and professional responsibilities and make informed judgments, which must consider the impact of scientific solutions in global, economic, environmental, and societal contexts	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	6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use scientific judgment to draw conclusions (CC: QR)	7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
CHE 1052 - General Chemistry I	I								
CHE 1052L - General Chemistry I Lab	I		I	I				I	
EGR 1012 - Introduction to Engineering I	I	I				I			I
EGR 1012L - Introduction to Engineering I Lab	I	I	I	I	I	I	I		
EGR 1023 - Introduction to Engineering II	I	I				I			I
EGR 1023L - Introduction to Engineering II Lab	I	I	I	I	I	I	I		
EGR 1043 - Introduction to Computer Programming	I					I			
EGR 1043L - Introduction to Computer Programming Lab	I					I	I		
EGR 2014 - Engineering Mechanics: Statics	R	R							
EGR 2014L - Engineering Mechanics: Statics Lab	R	R	R	R	R	R		R	
EGR 2024 - Circuit Analysis	R	R							
EGR 2024L - Circuit Analysis Lab	R	R	R	R	R	R		R	
EGR 3034 - Mechanics of Materials	R	R							
EGR 3034L - Mechanics of Materials Lab	R	R	R				R	R	
MTH 1064 - Calculus I	I		I	I	I	I			
MTH 1064L - Calculus I Lab	I		I	I	I	I	I		
MTH 1074 - Calculus II	I		I	I	I	I			
MTH 1074L - Calculus II Lab	I		I	I	I	I	I		
MTH 2074 - Calculus III	R		I	I	I				
MTH 3033 - Differential Equations	R							R	
PHY 2044 - University Physics I	I	I							
PHY 2044L - University Physics I Lab	I	I	I	I			I	I	
PHY 2054 - University Physics II	I	I							
PHY 2054L - University Physics II Lab	I	I	I	I			I	I	
PHY 3004 - Modern Physics	R	R							
PHY 3004L - Modern Physics Lab	R	R	R	R	R		R	R	
PHY 3013 - Nuclear Physics	R					R			
PHY 3013L - Nuclear Physics Lab	R			R		R	R	R	
PHY 3043 - Analytical Mechanics: Dynamics	M	M	R	R	R				
PHY 3063 - Electricity, Magnetism, and Waves I	R								
PHY 3083 - Electricity, Magnetism, and Waves II	M								
PHY 4013 - Thermodynamics	R								
PHY 4053 - Quantum Mechanics	M					M			
PHY 4063 - Solid State Physics	M		R	R	R				M
PHY 4072 - Senior Project I	R	R	R	R	R	R	R	R	R
PHY 4082 - Senior Project II	M	M	M	M	M	M	M	M	M