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	3. an ability to communicate effectively with a range of audiences (CC: OC, WC, 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 CHE 1052 - General Chemistry I Lab							
EGR 1003 - Introduction to Engineering I and EGR 1003L - Introduction to Engineering I Lab			I (OC)		I	I	
EGR 1023 - Introduction to Engineering II and EGR 1023L - Introduction to Engineering II Lab		I	I (WC)	I	I		I
EGR 1043 - Introduction to Computer Programming and EGR 1043L - Introduction to Computer Programming Lab	I			I			
EGR 2014 - Engineering Mechanics: Statics and EGR 2014L - Engineering Mechanics: Statics Lab	R		R (WC)	R	R	I	
EGR 2024 - Circuit Analysis and EGR 2024L - Circuit Analysis Lab	R	R	I (WC, IL)	R	R		
MTH 1064 - Calculus I and	I						
MTH 1074 - Calculus II and	I						
MTH 2074 - Calculus III	R						
MTH 3033 - Differential Equations	R						
PHY 2044 - University Physics I and	I						
PHY 2054 - University Physics II and	I						
PHY 3003 - Modern Physics and	R		R (WC)			I	
PHY 3043 - Analytical Mechanics: Dynamics	M						
PHY 3062 - Electricity, Magnetism, and Waves I	M						
PHY 3083 - Electricity, Magnetism, and Waves II				R			R
PHY 4013 - Thermodynamics	M						
PHY 4053 - Quantum Mechanics	M			M			
PHY 4063 - Solid State Engineering	M						
PHY 4072 - Senior Project I		M	M (OC, WC, IL)	M	M		M
PHY 4082 - Senior Project II		M	M (OC, WC, IL)		M	M	

Notes
Red = Artifact for Assessment Plan
CC: Core Competency
OC: Oral Communication
WC; Written Communication
IL: Information Literacy