



Academic Learning Compact

Degree Program: **Electrical Engineering (BS) (CIP Code 14.1001)**

Intended Program Student Learning Outcomes	Academic Learning Compact(s)	Direct and Indirect Measures	
		Direct Method of Assessment	Indirect Method of Assessment
An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	Discipline Specific Knowledge	Direct - Rubric Scoring Direct - Senior Thesis or Major Capstone Project	
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,	Critical Thinking, Discipline Specific Knowledge	Direct - Senior Thesis or Major Capstone Project	

environmental, and economic factors.			
An ability to communicate effectively with a range of audiences.	Communication	Direct - Rubric Scoring	
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 contexts.	Critical Thinking	Direct - Rubric Scoring	
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	Communication, Discipline Specific Knowledge	Direct - Senior Thesis or Major Capstone Project	
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.	Critical Thinking, Discipline Specific Knowledge	Direct - Rubric Scoring	
An ability to acquire and apply new knowledge as needed,	Discipline Specific Knowledge	Direct - Rubric Scoring	

using appropriate learning strategies.			
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