

## Academic Learning Compact

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

Intended Program Student Learning Outcomes	Direct and Indirect Measures	
	Direct Method of Assessment	Indirect Method of Assessment
<b>Outcome 1: [Communication Skills]</b> Program graduates will have the ability to communicate effectively with a range of audiences.	<b><u>Direct Measure(s)</u></b> Course-embedded assessment	<b><u>Indirect Measure(s)</u></b> N/A
<b>Outcome 2: [Communication Skills]</b> Program graduates will have the 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.	<b><u>Direct Measure(s)</u></b> Senior thesis or major capstone project	<b><u>Indirect Measure(s)</u></b> N/A
<b>Outcome 3: [Critical Thinking Skills]</b> Program graduates will have 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.	<b><u>Direct Measure(s)</u></b> Senior thesis or major capstone project	<b><u>Indirect Measure(s)</u></b> N/A
<b>Outcome 4: [Critical Thinking Skills]</b> Program graduates will have 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.	<b><u>Direct Measure(s)</u></b> Course-embedded assessment	<b><u>Indirect Measure(s)</u></b> N/A
<b>Outcome 5: [Critical Thinking Skills]</b> Program graduates will have the ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	<b><u>Direct Measure(s)</u></b> Course-embedded assessment	<b><u>Indirect Measure(s)</u></b> N/A
<b>Outcome 6: [Content/Discipline Knowledge and Skills]</b> Program graduates will have an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	<b><u>Direct Measure(s)</u></b> Senior thesis or major capstone project	<b><u>Indirect Measure(s)</u></b> N/A

Intended Program Student Learning Outcomes	Direct and Indirect Measures	
	Direct Method of Assessment	Indirect Method of Assessment
<b>Outcome 7: [Content/Discipline Knowledge and Skills]</b> Program graduates will have the ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	<u><b>Direct Measure(s)</b></u> Course-embedded assessment	<u><b>Indirect Measure(s)</b></u> N/A