

Domain	Outcome	EGN 3365 Engineering Materials	EML 3022 Comp Aided Design/Modeling	EGS 4032 Professional Ethics	EGN 4950 Capstone 1	EGN 4952L Capstone 2	ENC 3455 Writing for Science, Technology, and Math Majors	EIN 4354 Engineering Economy	PHY 2053/Lab Algebra Based Physics I	PHY 2053/Lab Algebra Based Physics II
Content	SLO1	X	X							
Communication	SLO3			X	X	X	X			
Integrity and Values	SLO4	X		X	X	X				
Project Management	SLO2				X	X				
	SLO5				X	X				
Critical Thinking	SLO6							X	X	X
	SLO7				X	X				

Department: Mechanical Engineering

Program Name: **BS in Mechanical Engineering**

Department URL: <https://uwf.edu/hmcse/departments/mechanical-engineering/>

Creation Date: Fall 2019

SLO1: An ability to Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

SLO2: 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.

SLO3: An ability to communicate effectively with a range of audiences.

SLO4: 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.

SLO5: 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.

SLO6: An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

SLO7: An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.