

Domain	Outcome	EGS 1006 Intro. to Engineering	EEL 3111/L Circuits 1 + Lab	EGS 3441 Engineering Statistics	EGM 3401 Dynamics	EGM 3344 Numerical Methods	EGN 2911L Sophomore Design 1	EGN 2912L Sophomore Design 2	EGN 3913L Junior Design 1	EGN 3914L Sophomore Design 2	EGN 3365 Engineering Materials	EML 3022 Comp Aided Design/Modeling	EML 30111/3011L Mechanics of Mat/Lab	EML 3015 Thermal Systems 1	EML 3016/L Thermal Systems 2/Lab	EML 3500 Machine Design	EML 4225 Dynamic Systems	EGM 2500 Statics	EGS 4032 Professional Ethics	EGN 4950 Capstone 1	EGN 4952L Capstone 2	EML 4804/L Mechatronics	EEL 4834 Programming for Engineers	Engineering Electives (varies, but typical)	EML xxxx Thermal Systems 3
Content	SLO1		X	X	X	X					X	X	X		X			X				X	X	X	X
Communication	SLO3	X	X				X	X	X	X									X	X	X				
Integrity and Values	SLO4										X								X	X	X			X	
Project Management	SLO2																			X	X	X		X	X
	SLO5						X	X	X	X										X	X			X	
Critical Thinking	SLO6		X	X									X		X									X	X
	SLO7															X	X			X	X			X	

Department: Mechanical Engineering

Program Name: **BS in Mechanical Engineering**

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

Updated: Fall 2023

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.

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