

Domain	Outcome	EGS 1006 Intro. to Engineering	EEL 3111/L Circuits 1 + Lab	EEL 3112 Circuits 2	EEL 3135 Signals and Systems	EEL 3701/L Digital Logic + Lab	EEL 3472 Electromagnetic Fields 1	EEL 3211/L Basic Electric Energy + Lab	EEL 4744/L Microprocessors + Lab	EEE 3308/L Electronics 1 + Lab	EEE 3396 Solid State Devices	EEE 4310 VLSI	EEE 4306/L Electronics 2 + Lab	EEL 4514/L Communications + Lab	EEL 4657/L Controls + Lab	EEL 4834 Programming for Engineers	EGM 2500 Statics	EGS 4032 Professional Ethics	EGN 4950 Capstone 1	EGN 4952L Capstone 2	EGN 3204 Software Eng. Tools	EGM 4313 Intermediate Eng. Analysis	EGS 3441 Engineering Statistics	Engineering Electives (varies, but typical)
Content	SLO1		X	X	X	X	X		X	X	X	X			X	X	X				X	X	X	X
Critical Thinking	SLO2		X			X		X	X	X			X	X	X						X			X
	SLO3																		X	X				X
Communication	SLO4	X	X			X		X	X	X			X	X	X			X	X	X				
Integrity and Values	SLO5																	X	X	X				X
Project Management	SLO6																		X	X				X
	SLO7																		X	X				X

Department: Electrical and Computer Engineering

Program Name: **BS in Electrical Engineering**

Department URL: <https://uwf.edu/hmcse/departments/electrical-and-computer-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 develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

SLO3: An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

SLO4: An ability to communicate effectively with a range of audiences.

SLO5: 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.

SLO6: 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.

SLO7: 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.