

Department of Electrical and Computer Engineering
Curriculum for students entering the Electrical Engineering - Energy Option program in academic year

2024-2025*

Electrical Engineering - Energy Option

Credits = 128

Student Name _____ GWID _____
Advisor _____ Admit Date _____

FALL First Semester Credits = 16					SPRING Second Semester Credits = 17					NOT FOR DEGREE				
Hr	Course	Description	Grd	Date	Hr	Course	Description	Grd	Date	Hr	Course	Description	Grd	Date
4	CHEM 1111	Gen.Chem.			1	ECE 1020	Introduction							
1	ECE 1010	Introduction			3	ECE 1120	C Program.							
3	MATH 1231	Single Var.I			3	MATH 1232	Single Var.II							
1	SEAS 1001	Orientation			3	PHIL 2135	Ethics							
4	UW 1020	U.Writing			4	PHYS 1021	U.Phys.I							
3	H/SS 1				3	H/SS 2								

FALL Third Semester Credits = 18					SPRING Fourth Semester Credits = 17									
Hr	Course	Description	Grd	Date	Hr	Course	Description	Grd	Date					
3	APSC 2057	Statics			3	APSC 2058	Dynamics							
3	APSC 2113	Diff.Eq./L.A.			3	APSC 2114	Complx.Var.							
4	ECE 2110	Circuit Th.			4	ECE 2115	Electronics							
1	ECE 2120	Seminar			4	ECE 2140	Logic Syst.							
3	MATH 2233	Multivariable			3	ECE 2210	Sign./Syst.							
4	PHYS 1022	U.Phys.II												

FALL Fifth Semester Credits = 16					SPRING Sixth Semester Credits = 14									
Hr	Course	Description	Grd	Date	Hr	Course	Description	Grd	Date					
3	APSC 3115	Probability			4	ECE 3125	Analog El.							
4	ECE 3130	Dig.Electr.			1	ECE 3915W	Capstone I							
3	ECE 3220	DSP			3	ECE 4320	Flds.Wvs. II							
3	ECE 3315	Flds.Wvs. I			3	MAE 2131	Thermodyn.							
3	ECE 3520	Microproc.			3	MAE 3134	Vibration A.							

FALL Seventh Semester Credits = 15					SPRING Eighth Semester Credits = 15									
Hr	Course	Description	Grd	Date	Hr	Course	Description	Grd	Date					
3	ECE 4620	Power Syst.			3	ECE 3410	Comm.Eng.							
3	ECE 4710	Controls			3	ECE 4610	Conversion							
3	ECE 4920W	Capstone II			3	ECE 4662	Power Electr.							
3	H/SS 3				3	ECE 4925W	Capstone III							
3	Tech Elect 1				3	H/SS 4								

Cumulative GPA	0.00
Technical GPA	0.00

* An Electrical Engineering - Energy Option student who entered the program in AY 2024-2025 must follow this curriculum or any Electrical Engineering - Energy Option curriculum following this one after getting approval to change the curriculum.

