

Electrical Energy Systems and Sensing & Exploration					
FIRST YEAR-FALL		HR	Notes	FIRST YEAR-SPRING	
CHEM 1310		4		ECE 2020	3
CS 1301		3		ENGL 1102	3
ECE 1100		1		MATH 1552	4
ENGL 1101		3		PHYS 2211	4
MATH 1551		2		History/Government Elective	3
MATH 1554		4			5
TOTAL SEMESTER HOURS		17		TOTAL SEMESTER HOURS	17

SECOND YEAR-FALL		HR	Notes	SECOND YEAR-SPRING	
ECE 2026		3		ECE 2031	2
Economics/Social Science Elective		3		ECE 2035 or 2036	4
Humanities Elective		3		ECE 2040	3
MATH 2552		4		MATH 2551	4
PHYS 2212		4		Science Elective	3
TOTAL SEMESTER HOURS		17		TOTAL SEMESTER HOURS	16

THIRD YEAR-FALL		HR	Notes	THIRD YEAR-SPRING	
ECE 3040		4		ECE 3005	1
ECE 3043		2		Elective Hours	3
ECE 3025		3		ECE 3072	3
Prob & Stat Elective		3		ECE 4390	3
APPH 1040 OR 1050		2		Social Science Elective	3
Humanities Elective		3		Elective Hours	3
TOTAL SEMESTER HOURS		17		TOTAL SEMESTER HOURS	16

FOURTH YEAR-FALL		HR	Notes	FOURTH YEAR-SPRING	
Senior Design Sequence		1	2	Senior Design Sequence	2
Elective Hours		3		ECE 3000/4000 Elective	3
Pick 1 of Sensing & Exploration Topics		3		ECE 3000/4000 Elective	3
ECE 3300		3		Pick 1 of Sensing & Exploration Topics	3
Elective Hours		2	1	Pick 1 of Electrical Energy Sys Topics	3
Social Science Elective		3			
TOTAL SEMESTER HOURS		15		TOTAL SEMESTER HOURS	14
Completed Hours:					
Remaining Hours:					
Surplus Non Usable Hours					
Total Hours for Degree		129	129		

EES + SENS			
	Lec	Lab	Hours
Institute Core Hours+Prob Stat:	x	x	65
Common Core	x	x	26
Total Thread Hours:	x	x	24
Elective Hours (includes Senior Design Sequence)	x	x	14
Total Degree Hours			129

EE Common Core			
ECE 1100 - ECE Discovery Studio	1	0	1
ECE 2020 - Fundamentals of Digital Design	3	0	3
ECE 2026 - Intro Signal Processing	2	3	3
ECE 2031 - Digital Design Laboratory	1	3	2
ECE 2040 - Circuit Analysis	3	0	3
ECE 3005 - Professional Communications	1	0	1
ECE 3025 - Electromagnetics	3	0	3
ECE 3040 - Microelectronic Circuits	4	0	4
ECE 3043 - Microelectronics Lab	1	3	2
Choose 1			
ECE 2035 - Programming for Hardware/Software Systems	3	3	4
ECE 2036 - Engineering Software Design	3	3	4
Total	18	9	26

Electrical Energy Systems			
ECE 3072 - Electrical Energy Systems	2	3	3
ECE 3300 - Electromech and Electromag Energy Conversion	3	0	3
Pick 1 of Electrical Energy Systems Topics	3	0	3
ECE 3000/4000 Elective	3	0	3
Sensing & Exploration			

Sensing & Exploration			
ECE 4390 - Introduction to Radars and Remote Sensing	3	0	3
Pick 2 of Sensing & Exploration Topics	6	0	6
ECE 3000/4000 Elective	3	0	3
Total (See Notes 3 and 4)	x	x	24

Total Degree Hours:	x	x	129
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- (1) Elective hours depend on thread picks and Senior Design Option
- (2) See degree options for senior design
- (3) Thread hours may depend on thread picks
- (4) For shared thread courses, select an additional ECE 3000/4000 elective or pick
- (5) HIST 2111/2122 or POL 1101 or INTA 1200 or PUBP 3000