Signal & Information Processing and Sensing & Exploration					
FIRST YEAR-FALL	**HR**	**Notes**	**FIRST YEAR-SPRING**	**HR**	**Notes**
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	5
MATH 1554	4				
TOTAL SEMESTER HOURS	**17**		**TOTAL SEMESTER HOURS**	**17**	

SECOND YEAR-FALL	**HR**	**Notes**	**SECOND YEAR-SPRING**	**HR**	**Notes**
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**	**HR**	**Notes**
ECE 3040	4		ECE 3005	1	
ECE 3043	2		ECE 3025	3	
ECE 3084 (*)	3		ECE 3000/4000 Elective	3	
Prob & Stat Elective	3		ECE 4270	3	
APPH 1040 OR 1050	2		Social Science Elective	3	
Humanities Elective	3		Elective Hours	3	1
TOTAL SEMESTER HOURS	**17**		**TOTAL SEMESTER HOURS**	**16**	

FOURTH YEAR-FALL	**HR**	**Notes**	**FOURTH YEAR-SPRING**	**HR**	**Notes**
Senior Design Sequence	1	2	Senior Design Sequence	2	2
Pick 1 of Sig and Info Proc topics	3		ECE 3000/4000 Elective	3	
ECE 4390	3		Elective Hours	3	1
Pick 1 of Sensing & Exploration Topics	3		Elective Hours	3	1
Elective Hours	2	1	Pick 1 of Sensing & Exploration 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			

SIP + 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**

Signal & Information Processing			
ECE 3084 - Signals and Systems (*)	3	0	3
ECE 4270 - Fundamentals of DSP	3	0	3
Pick 1 of Signal and Information Processing 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**

(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

(*) ECE3084 can not be used as a pick for Sensing; ECE4260 is a shared course pick. (see Note 4)