Robotics & Autonomous Systems and Bioengineering						
FIRST YEAR-FALL	HR	Notes	lotes FIRST YEAR-SPRING		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 3550	3		ECE 4550	4	
Prob & Stat Elective	3		Pick 1 of Bioengineering Foundation	3	
APPH 1040 OR 1050	2		Social Science Elective	3	
Humanities Elective	3		Elective Hours	3	1
TOTAL SEMESTER HOURS	17		TOTAL SEMESTER HOURS	17	

FOURTH YEAR-FALL	HR	Notes	FOURTH YEAR-SPRING		Notes
Senior Design Sequence	1	2	Senior Design Sequence	2	2
Pick 1 of Rob Auto Sys Topics	3		ECE 3000/4000 Elective	3	
ECE 3000/4000 Elective	3		Elective Hours	3	1
Pick 1 of Bioengineering Topics	3		Elective Hours	3	1
Elective Hours	1	1	Pick 1 of Bioengineering Topics	3	
Social Science Elective	3				
TOTAL SEMESTER HOURS	14		TOTAL SEMESTER HOURS	14	
Completed Hours:			•		
		1			

Completed Hours:

Remaining Hours:

Surplus Non Usable Hours

Total Hours for Degree 129 129

ROB + BIO			
	Lec	Lab	Hours
Institute Core Hours+Prob Stat:	Х	Х	65
Common Core	Х	Х	26
Total Thread Hours:	Х	Х	25
Elective Hours (includes Senior Design Sequence)	Х	Х	13

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 System	3	3	4		
ECE 2036 - Engineering Software Design	3	3	4		
Total	18	9	26		

Robotics & Autonomous Systems						
ECE 3550 - Feedback Control Systems	3	0	3			
ECE 4550 - Control System Design	3	3	4			
Pick 1 of Robotics & Autonomous Systems Topics (*)	3	0	3			
ECE 3000/4000 Elective	3	0	3			
Bioengineering						
Pick 1 of Bioengineering Foundation	3	0	3			
Pick 2 of Bioengineering Topics (*)	3	0	3			
ECE 3000/4000 Elective	3	0	3			
Total (See Notes 3 and 4)	X	X	22			

Total Degree Hours:	х	х	129
1	~		

- (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 is a shared pick (see Note 4)