Electronic Devices and Circuit Technology

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		Elective Hours	3	1
ECE 3025	3		ECE 3450	3	
Prob & Stat Elective	3		ECE 3400	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 Electronic Devices Topics	3		ECE 3000/4000 Elective	3	
ECE 3000/4000 Elective	3		ECE 3000/4000 Elective (*)	3	
ECE 4452 (*)	3		Elective Hours	3	1
Elective Hours	2	1	Pick 1 of Circuit Technology 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			

EDEV + CTECH			
	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 System	3	3	4
ECE 2036 - Engineering Software Design	3	3	4
Total	**18**	**9**	**26**

Electronic Devices			
ECE 3450 - Semiconductor Devices	3	0	3
ECE 4452 - Integrated Circuit Fabrication (*)	2	3	3
Pick 1 of Electronic Devices Topics	**3**	**0**	**3**
ECE 3000/4000 Elective	**3**	**0**	**3**
Circuit Technology			
ECE 3400 - Analog Electronics	3	0	3
ECE 4452 - Integrated Circuit Fabrication (*)	2	3	3
Pick 1 of Circuit Technology Topics	**3**	**0**	**3**
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

(*) ECE4452 is a shared required course (see note 4)