



B.S. ELECTRICAL ENGINEERING
2021-2022
4 YEAR DEGREE PLAN- ENGINEERING CALCULUS

	FALL SEMESTER 20__		SPRING SEMESTER 20__			
FIRST YEAR	ECE 1900	<i>FRESHMAN SEMINAR</i>	1.0	ECE 1240	<i>ECE DESIGN</i>	3.0
	CS 1420	<i>INTRO TO PROGRAMMING</i>	4.0	ECE 1245	<i>ECE DESIGN LAB</i>	0.5
	MATH 1310*	<i>ENG CALCULUS I</i>	4.0	ECE 1050	<i>MATLAB</i>	0.5
	WRTG 2010/HONOR 2211 or EAS 1060	<i>INTERMEDIATE WRITING</i>	3.0	MATH 1320	<i>ENG CALCULUS II</i>	4.0
	LEAP 1501	<i>ETHICS IN ENGINEERING</i>	3.0	PHYS 2210	<i>ENG PHYSICS I</i>	4.0
				LEAP 1500	<i>LEAP SEMINAR IN HUM</i>	3.0
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	15.0
SECOND YEAR	FALL SEMESTER 20__		SPRING SEMESTER 20__			
	ECE 2240 & ECE 2245	<i>CIRCUITS</i>	4.0	ECE 2280 & ECE 2285	<i>ELECTRONICS FUND</i>	4.0
	MATH 2250	<i>DIFF EQUA LIN ALG</i>	4.0	ECE 3700	<i>DIGITAL SYS DESIGN</i>	4.0
	PHYS 2220	<i>ENG PHYSICS II</i>	4.0	MATH 3140	<i>PDES & VECTOR CALC</i>	4.0
	CHEM 1210 or BIOL 1610	<i>GEN CHEM or BIOL</i>	3 or 4	AI REQ.	<i>AMERICAN INSTITUTIONS</i>	3.0
	CHEM 1215 OR PHYS 2215 or 2225	<i>CHEM or PHYS lab</i>	1.0			
		TOTAL CREDIT HOURS	16-17		TOTAL CREDIT HOURS	15.0
THIRD YEAR	FALL SEMESTER 20__		SPRING SEMESTER 20__			
	ECE 3300 & 3305	<i>EM & TRANSM LNS</i>	4.0	ECE 3900	<i>JUNIOR SEMINAR</i>	1.0
	ECE 3500	<i>SIGNALS, SYSTEMS</i>	4.0	ECE 3030	<i>TECHNICAL COMM</i>	3.0
	ECE 3200	<i>SEMICOND DEVICES</i>	3.0	ECE 3000+	<i>BREADTH ELECTIVE</i>	4.0
	ECE 3530	<i>ENG PROB & STATS</i>	3.0	ECE 3000+	<i>BREADTH ELECTIVE</i>	4.0
	ECE 3000+	<i>TECHNICAL ELECTIVE</i>	3.0	ECE 3000+	<i>TECHICAL ELECTIVE</i>	3.0
		TOTAL CREDIT HOURS	17.0		TOTAL CREDIT HOURS	15.0
FOURTH YEAR	FALL SEMESTER 20__		SPRING SEMESTER 20__			
	ECE 4900	<i>SENIOR THESIS I</i>	4.0	ECE 4910	<i>SENIOR THESIS II</i>	4.0
	ECE 3000+	<i>TECH ELECTIVES</i>	3.0	ECE 3000+	<i>TECHNICAL ELECTIVES</i>	6.0
	ECE 3000+	<i>BREADTH ELECTIVE</i>	4.0	VARIES	<i>GENERAL EDUCATION</i>	6.0
	VARIES	<i>GENERAL EDUCATION</i>	6.0			
	TOTAL CREDIT HOURS	17.0		TOTAL CREDIT HOURS	16.0	

*Designates a Pre-Major Course
Admission requirements: 2.8 GPA in Pre-Major; 2.5 GPA Overall
12 credit hours per semester is recommended for full time students.
Meet with your Academic Advisor to make an individual plan.