



B.S. COMPUTER ENGINEERING
2019-2020
4 YEAR DEGREE PLAN- TRADITIONAL CALCULUS

	FALL SEMESTER 20__			SPRING SEMESTER 20__		
FIRST YEAR	ECE 1900	<i>FRESHMAN SEMINAR</i>	1.0	ECE 1240*	<i>ECE DESIGN LECTURE</i>	3.0
	CS 1410-030*	<i>INTRO TO PROGRAMMING</i>	4.0	ECE 1245*	<i>ECE DESIGN LAB</i>	0.5
	MATH 1210*	<i>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 1220*	<i>CALCULUS II</i>	4.0
	LEAP 1501	<i>ETHICS IN ENGINEERING</i>	3.0	PHYS 2210*	<i>ENG PHYSICS I</i>	4.0
				CS 2420*	<i>ALGORITHMS, DATA STRUC</i>	4.0
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	16.0
SECOND YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__		
	ECE 2240	<i>CIRCUITS</i>	4.0	ECE 2280	<i>ELECTRONICS FUND</i>	4.0
	PHYS 2220	<i>ENG PHYSICS II</i>	4.0	CS/ECE 3700	<i>DIGITAL SYS DESIGN</i>	4.0
	MATH 2210	<i>CALCULUS III</i>	3.0	MATH 2250	<i>DIFF EQUA LIN ALG</i>	4.0
	CS/ECE 3810	<i>COMPUTER ORG</i>	4.0	CS 3500	<i>SOFTWARE PRACTICE</i>	4.0
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	16.0
	THIRD YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__	
CS/ECE 3710		<i>COMP DESIGN LAB</i>	3.0	CS/ECE 3992	<i>PRE-THESIS/CLINIC</i>	3.0
CS/ECE 3991		<i>JUNIOR SEMINAR</i>	1.0	CS/ECE 5780	<i>EMB SYS DESIGN</i>	4.0
CS 2100		<i>DISCRETE STRUCTURES</i>	3.0	ECE 3530	<i>ENG PROB & STATS</i>	3.0
CS 4400		<i>COMPUTER SYSTEMS</i>	3.0	ECE 3030/HONOR 3200	<i>WRITING REQUIREMENT</i>	3.0
		<i>GENERAL EDUCATION</i>	6.0		<i>GENERAL EDUCATION</i>	3.0
		TOTAL CREDIT HOURS	16.0		TOTAL CREDIT HOURS	16.0
FOURTH YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__		
	CS/ECE 4710	<i>SENIOR PROJECT</i>	3.0		<i>TECHNICAL ELECTIVES</i>	12.0
		<i>TECH ELECTIVES</i>	6.0		<i>AMERICAN INSTITUTIONS</i>	3.0
		<i>GENERAL EDUCATION</i>	6.0			
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	15.0

* Denotes Pre-Major Requirement

Admission requirements: 3.0 GPA in Pre-Major; 2.5 GPA Overall