



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

	FALL SEMESTER 20__		SPRING SEMESTER 20__			
FIRST YEAR	ECE 1900	FRESHMAN SEMINAR	1.0	ECE 1240*	ECE DESIGN LECTURE	3.0
	CS 1420	OBJECT-ORIENTED PROGRAMMING	4.0	ECE 1245*	ECE DESIGN LAB	0.5
	MATH 1210*	CALCULUS I	4.0	ECE 1050*	MATLAB	0.5
	WRTG 2010/HONOR 2211 or EAS 1060*	INTERMEDIATE WRITING	3.0	MATH 1220*	CALCULUS II	4.0
	LEAP 1501	ETHICS IN ENGINEERING	3.0	PHYS 2210*	ENG PHYSICS I	4.0
				CS 2420*	ALGORITHMS, DATA STRUC	4.0
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	16.0
SECOND YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__		
	ECE 2240	CIRCUITS	3.0	ECE 2280	ELECTRONICS FUND	3.0
	ECE 2245	CIRCUITS LAB	1.0	ECE 2285	ELECTRONICS FUND LAB	1.0
	PHYS 2220	ENG PHYSICS II	4.0	CS/ECE 3700	DIGITAL SYS DESIGN	4.0
	MATH 2210	CALCULUS III	3.0	MATH 2250	DIFF EQUA LIN ALG	4.0
	CS/ECE 3810	COMPUTER ORG	4.0	CS 3500	SOFTWARE PRACTICE	4.0
		TOTAL CREDIT HOURS	15.0		TOTAL CREDIT HOURS	16.0
THIRD YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__		
	CS/ECE 3710	COMP DESIGN LAB	3.0	CS/ECE 3992	PRE-THESIS/CLINIC	3.0
	CS/ECE 3991	JUNIOR SEMINAR	1.0	CS/ECE 5780	EMB SYS DESIGN	4.0
	CS 2100	DISCRETE STRUCTURES	3.0	ECE 3530	ENG PROB & STATS	3.0
	CS 4400	COMPUTER SYSTEMS	3.0	ECE 3030/HONOR 3200	WRITING REQUIREMENT	3.0
		GENERAL EDUCATION	6.0		GENERAL EDUCATION	3.0
		TOTAL CREDIT HOURS	16.0		TOTAL CREDIT HOURS	16.0
FOURTH YEAR	FALL SEMESTER 20__			SPRING SEMESTER 20__		
	CS/ECE 4710	SENIOR PROJECT	3.0		TECHNICAL ELECTIVES	12.0
		TECH ELECTIVES	6.0		AMERICAN INSTITUTIONS	3.0
		GENERAL EDUCATION	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

Please note that this course plan is a sample plan and is subject to change- you should always meet with an advisor to discuss your specific course plan