

BS Electrical Engineering Suggested Four Year Plan 2021-2022 Catalog

A grade of C- or better is required

**CS 1336/1136
Programming
Fundamentals**

CS1336 is required of students with no prior programming experience
C- or better needed

Freshman

Description	Course No
Introduction to Engr & CS	ECS 1100
Introduction to EE	EE 1100
Introduction to Programming	CS 1325
Calculus I	Math 2413 or 2417
6 hours CORE: Choices below	
Freshman Seminar	UNIV 1010

Freshman

Description	Course No
Intro to Elec. Engr II	EE 1202
Calculus II	Math 2414 or 2419
Applied Linear Algebra	ENGR 2300
Mechanics and Heat	Phys 2325
Mechanics and Heat Lab	Phys 2125
Introduction to Digital Systems	EE 2310
Calculus of Several Variables (Summer)	MATH 2415

Sophomore

Description	Course No
Differential Equations	Math 2420
Probability Theory & Statistics	ENGR 3341
Electricity and Magnetism	Phys 2326
Electricity and Magnetism Lab	Phys 2126
6 hours CORE: Choices below	

Sophomore

Description	Course No
Electrical Network Analysis	EE 3301
Digital Circuits	EE 3320
Advanced Engineering Math Fundamentals I	ENGR 3300
6 hours CORE: Choices below	

Junior

Description	Course No
Signals and Systems	EE 3302
Electronic Devices	EE 3310
Prof & Tech Communication	ECS 3390
General Chemistry	Chem 1311
General Chemistry Lab	Chem 1111
Social Issues & Ethics in Engineering	EE 3161

Junior

Description	Course No
Fundamentals II	EE 420X
Electronic Circuits	EE 3311
Systems and Controls	EE 4310
Embedded Systems	EE 4370
3 hours CORE: Choices Below	

Senior

Description	Course No
Senior Design Project I	EE 4388
Electromagnetic Engineering	EE 4301
6 hours EE Guided Elective	EE 43XX
3 hours CORE: Choices Below	

Senior

Description	Course No
Senior Design Project II	EE 4389
6 hours EE Guided Elective	EE 43XX
9 hours Free Elective	See Advisor
Core Curriculum Assessment	UNIV 2020

Core Choices				
Rhet 1302	3 hours From: Ahst 1303 or 1304 Ahst 2331 Arts1301 Danc 1310 Film 2332 Musi 1306 Thea 1310	3 hours From: Phil 1306 Or See Advisor	6 hours From: Hist 1301 Hist 1302 Hist 2301 Hist 2330 Hist 2332	3 hours From: ECON 2301 ECON 2302 or See Advisor

Courses may be taken in any order, as long as prerequisites are met.

Ⓢ Prerequisite: Junior level standing

