

BS Electrical Engineering Suggested Four Year Plan 2019-2020 Catalog

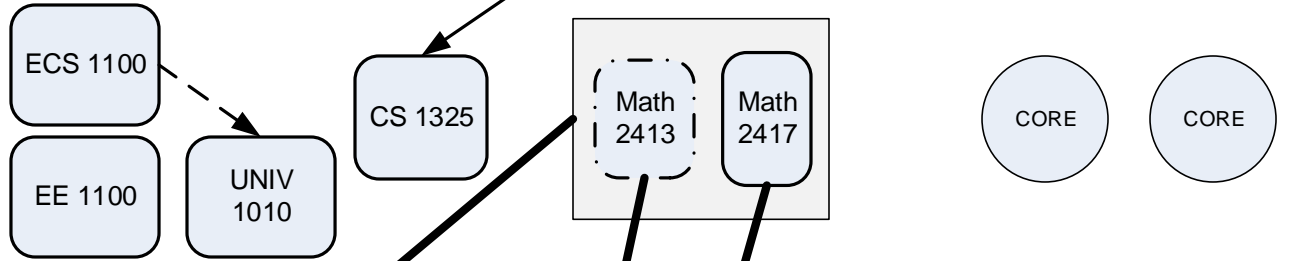
CS 1336/1136
Programming
Fundamentals

CS1336 is required of
students with no prior
programming experience
Not For Credit in ECS
C- or better needed

A grade of C- or better is required

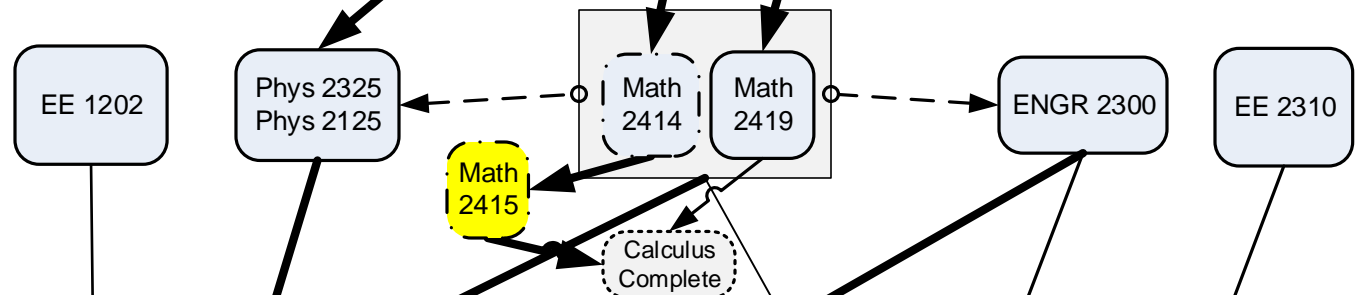
Freshman

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



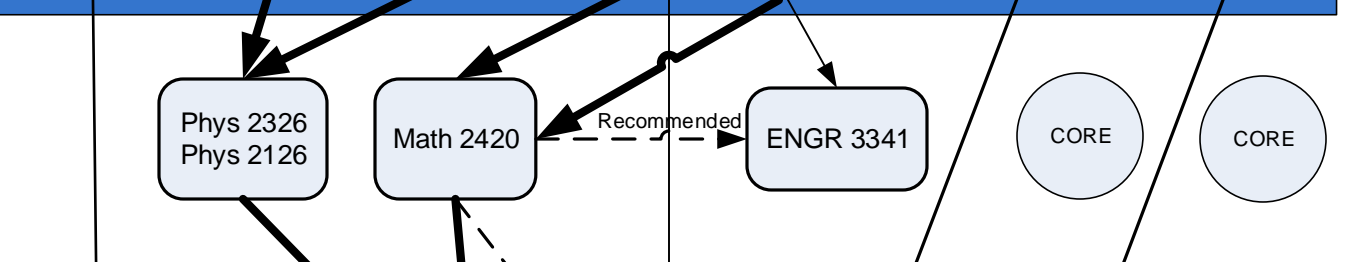
Freshman

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



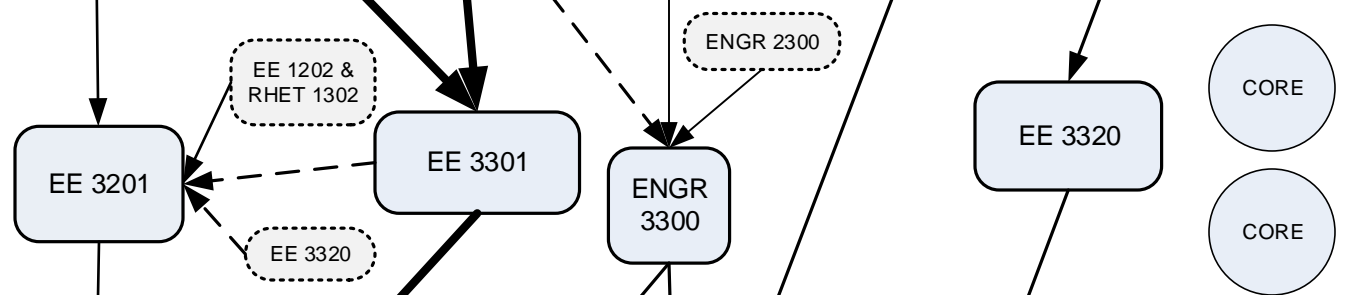
Sophomore

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	



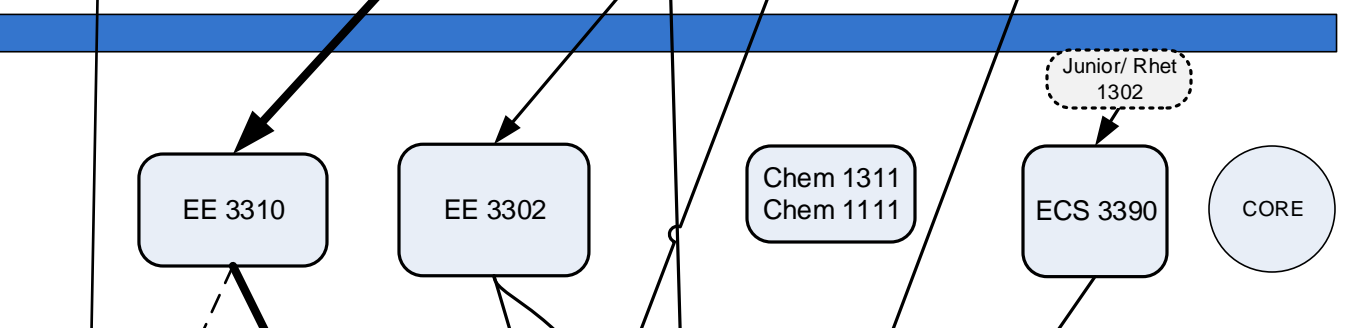
Sophomore

Description	Course No
Electrical Network Analysis	EE 3301
Digital Circuits	EE 3320
Advanced Engineering Math	ENGR 3300
Fundamentals I	EE 3201
6 hours CORE: Choices below	



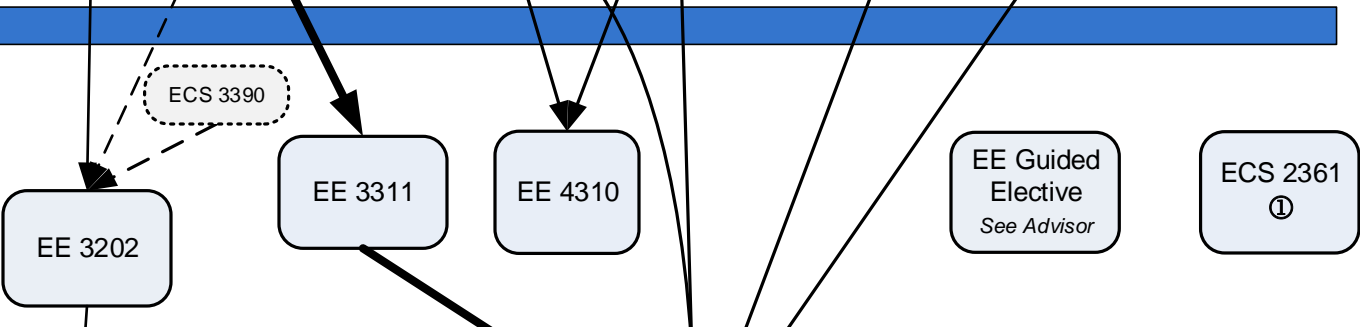
Junior

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
3 hours CORE: Choices below	



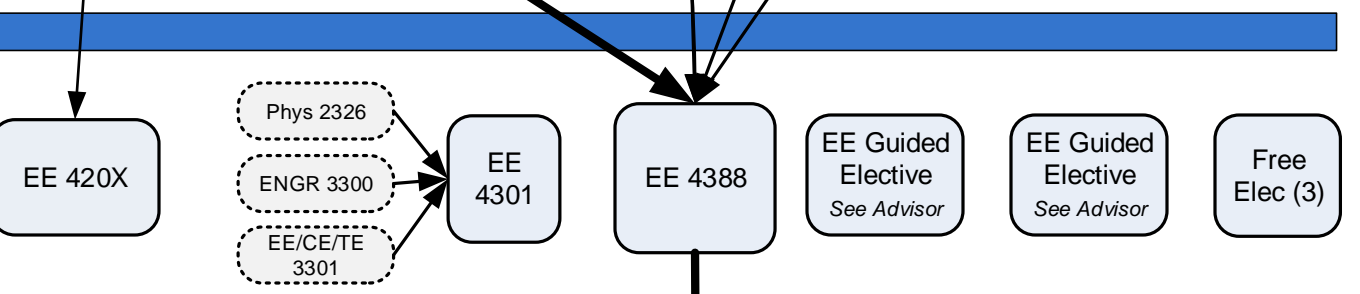
Junior

Description	Course No
Electronic Circuits	EE 3311
Systems and Controls	EE 4310
Social Issues & Ethics in Sci/ Tech	ECS 2361
Fundamentals II	EE 3202
3 hours EE Guided Elective	EE 43XX



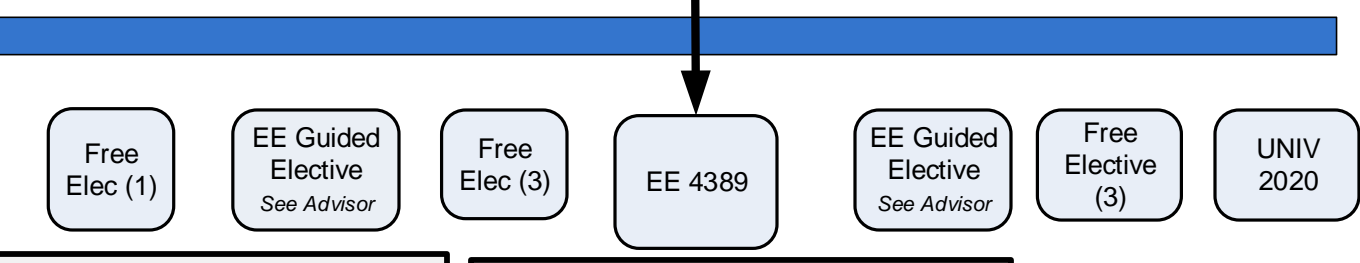
Senior

Description	Course No
Senior Design Project I	EE 4388
Electromagnetic Engineering	EE 4301
6 hours EE Guided Elective	EE 43XX
3 hours Free Elective	See Advisor
EE Elective Lab	EE 420X



Senior

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



Core Choices

Rhet 1302	3 hours From:	3 hours From:	6 hours From:
Govt 2305 Govt 2306	Ahst 1303 or 1304 Ahst 2331 Arts1301 Danc 1310 Film 2332 Musi 1306 Thea 1310	Ams 2300 Ams 2341 Huma 1301 Lit 2331 Phil 1301 Phil 2316 or 2317	Hist 1301 Hist 1302 Hist 2301 Hist 2330 Hist 2332

Ⓛ Pre-Req. of PHYS 2325, PHYS 2326 or any other 030 science core

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

LEGEND

