

BS Computer Engineering Suggested Four Year Plan 2016 – 17 Catalog

6/1/2016

A grade of C- or better is required in each class.

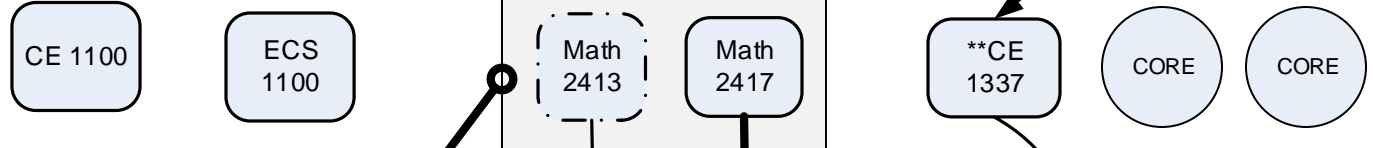
**A grade of C or better is required in CS 1336, CE 1337, CE 2305, and CE 2336.

CS 1336 is required of students with no prior programming experience
Not For Credit in ECS
C or better needed

****CS 1336
CS 1136**

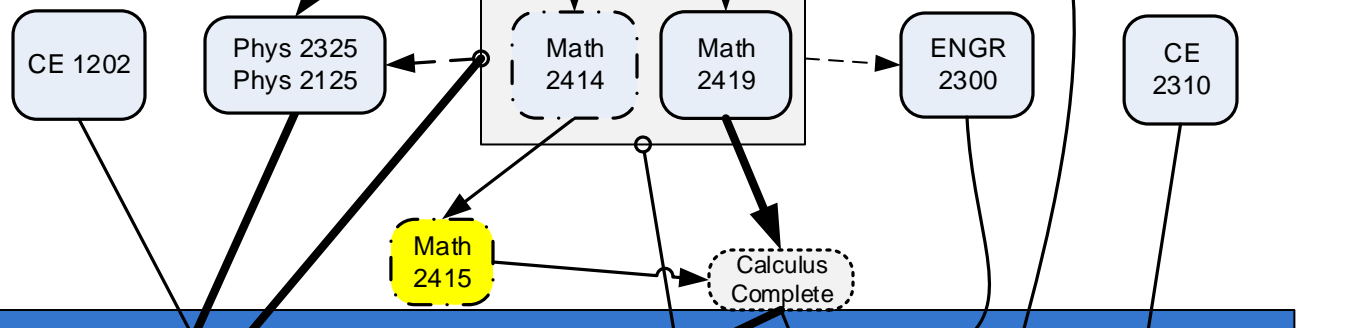
Freshman

Description	Course No
Introduction to Comp Eng	CE 1100
Introduction to Engr'g. & CS	ECS 1100
Calculus I	Math 2413 or 2417
Computer Science I	CE 1337
6 hours CORE: Choices below	



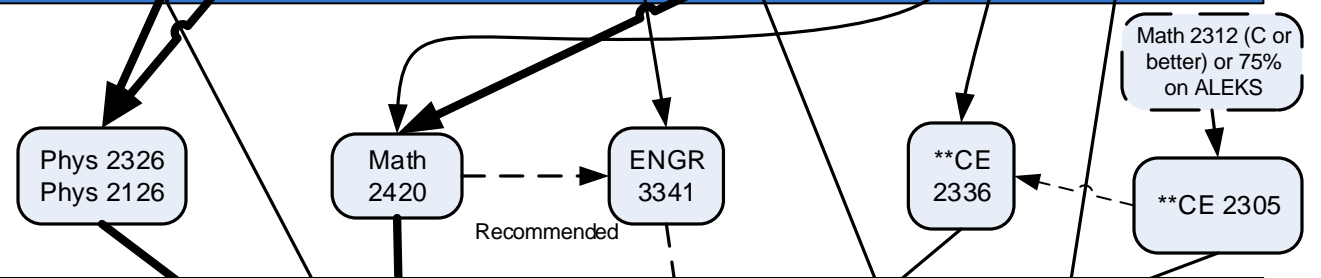
Freshman

Description	Course No
Intro to Elec. Engineering	CE 1202
Calculus II	Math 2414 or 2419
Introduction to Digital System	CE 2310
Applied Linear Algebra	ENGR 2300
Mechanics and Heat	Phys 2325
Mechanics and Heat Lab	Phys 2125
Multivariate Calculus (Summer)	MATH 2415



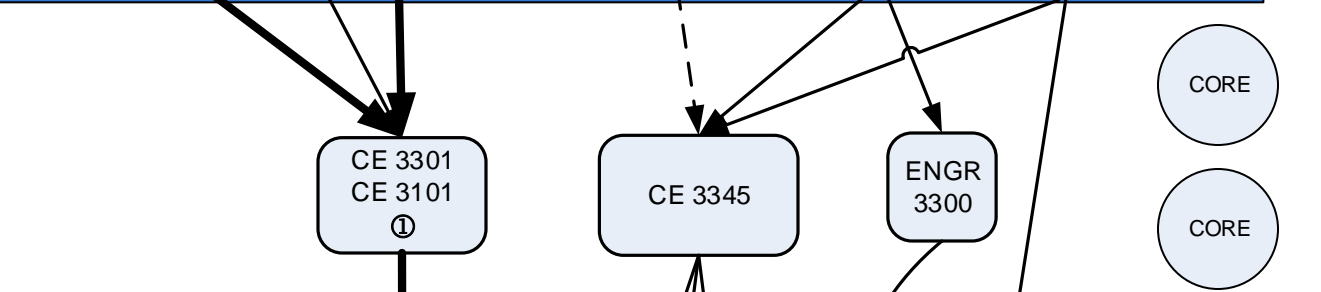
Sophomore

Description	Course No
Differential Equations w/Applications	Math 2420
Computer Science II	CE 2336
Probability & Stats in CS and SE	ENGR 3341
Electricity and Magnetism	Phys 2326
Electricity and Magnetism Lab	Phys 2126
Discrete Mathematics I	CE 2305



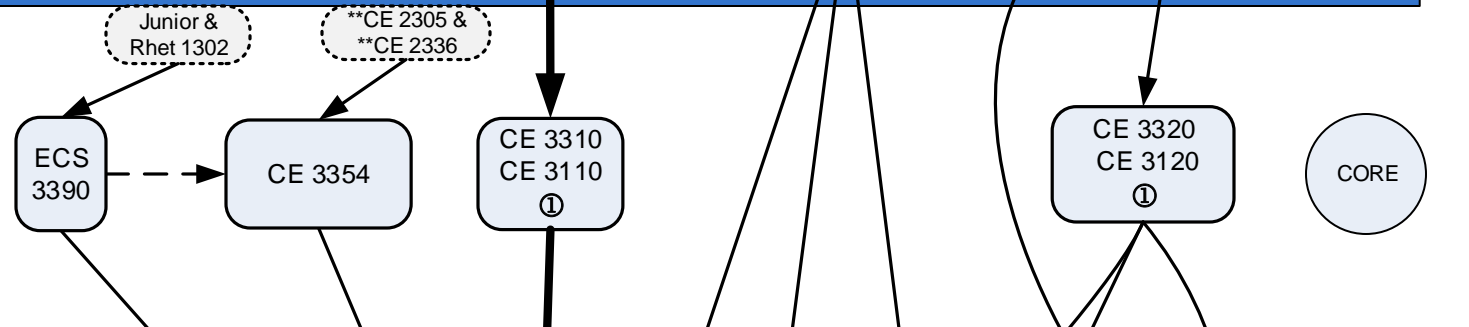
Sophomore

Description	Course No
Electrical Network Analysis	CE 3301
Electrical Network Analysis Lab	CE 3101
Data Structures & Intro to Algorithmic Analysis	CE 3345
Advanced Engineering Math	ENGR 3300
6 hours CORE: Choices below	



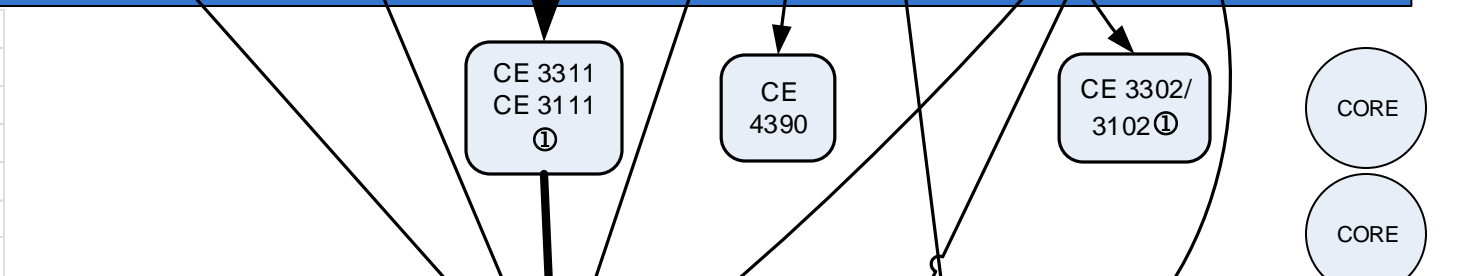
Junior

Description	Course No
Electronic Devices	CE 3310
Electronic Devices Lab	CE 3110
Software Engineering	CE 3354
Prof & Tech Communication	ECS 3390
Digital Circuits	CE 3320
Digital Circuits Lab	CE 3120
3 hours CORE: Choices below	



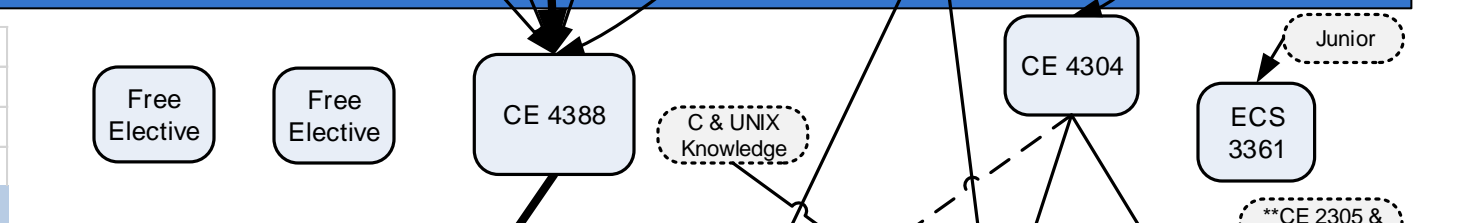
Junior

Description	Course No
Electronic Circuits	CE 3311
Electronic Circuits Lab	CE 3111
Signals and Systems	CE 3302
Signals and Systems Lab	CE 3102
Computer Networks	CE 4390
6 hours CORE: Choices below	



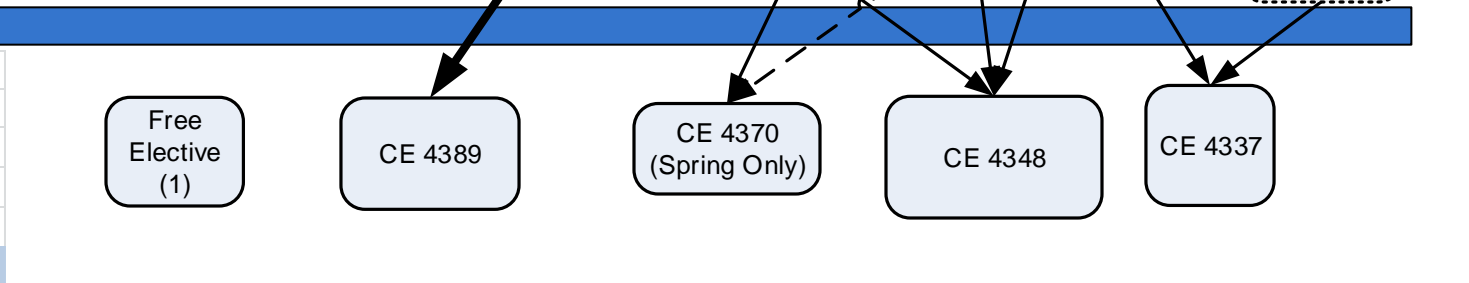
Senior

Description	Course No
Senior Design Project I	CE 4388
Computer Architecture	CE 4304
Social Issues and Ethics in ECS	ECS 3361
6 hours Free Elective	See Advisor



Senior

Description	Course No
Senior Design Project II	CE 4389
Operating Systems Concepts	CE 4348
Embedded Microprocessor Sys.	CE 4370
Org. of Programming Lang.	CE 4337
1 hour Free Elective	See Advisor



Core Choices			
Rhet 1302	3 hours From:	3 hours From:	6 hours From:
	Ahst 1303, 1304, 2331 Arts1301 Danc 1310 Dram 1310 Film 2332 Musi 1306	Ams 2300 Ams 2341 Huma 1301 Lit 2331 Phil 1301 Phil 2316, 2317	Hist 1301 Hist 1302 Hist 2301 Hist 2330 Hist 2332
<u>Govt 2305</u> <u>Govt 2306</u>			

Ⓞ RHET1302 Pre-Req. to some Labs: TAKE BY 3RD SEMESTER!

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

LEGEND

→ Prereq Critical Path

→ Pre-requisite

- - - - - Pre- or Co-requisite