

# BS Computer Engineering Suggested Four Year Plan 2020 – 2021 Catalog

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

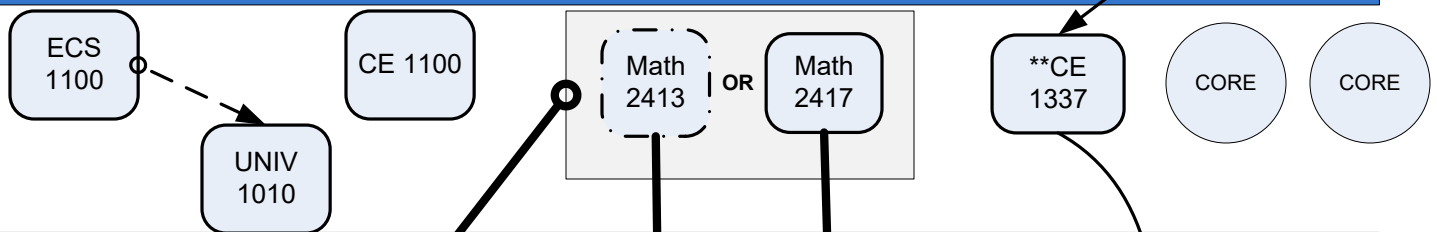
\*\*A grade of C or better is required in CS 1336, CE 1337, CE 2305, and CE 2336.

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

\*\*CS 1336  
CS 1136

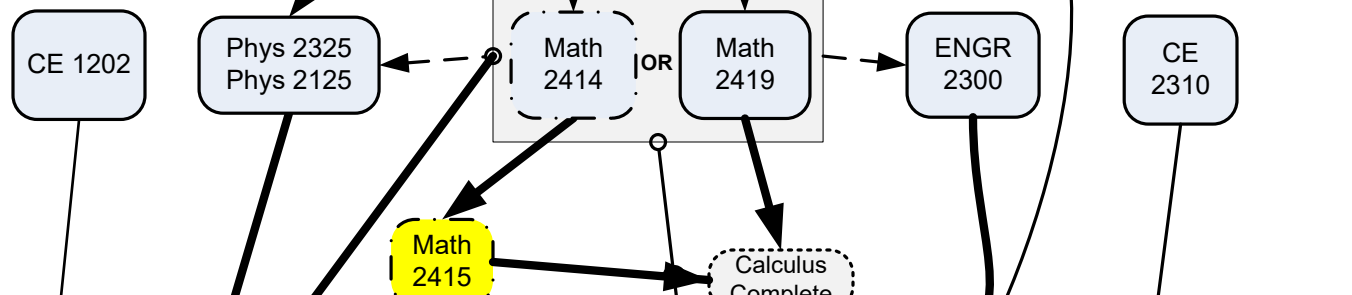
## Freshman

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 Seminar	UNIV 1010



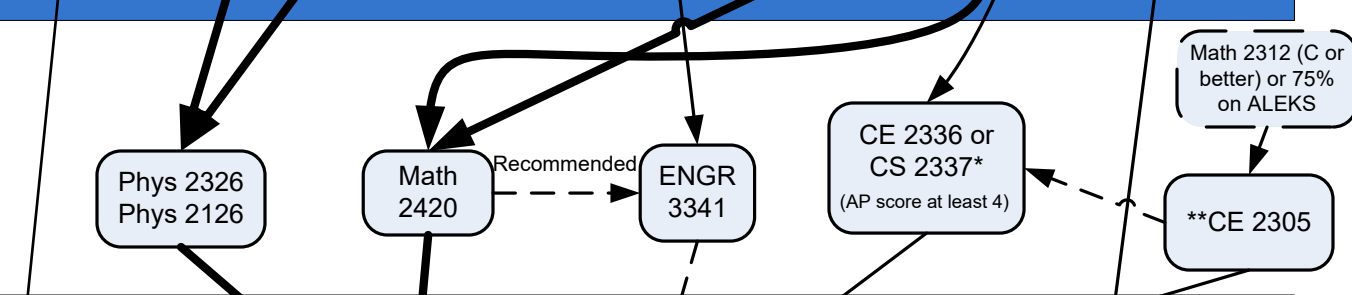
## Freshman

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
Calculus of Several Variables (Summer)	MATH 2415



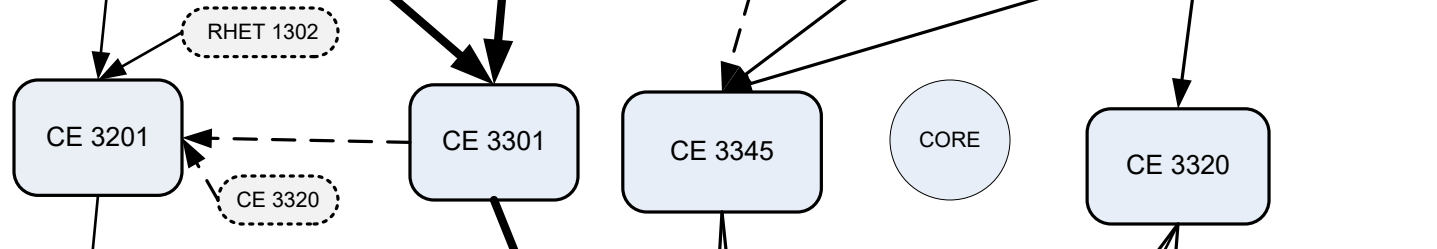
## Sophomore

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



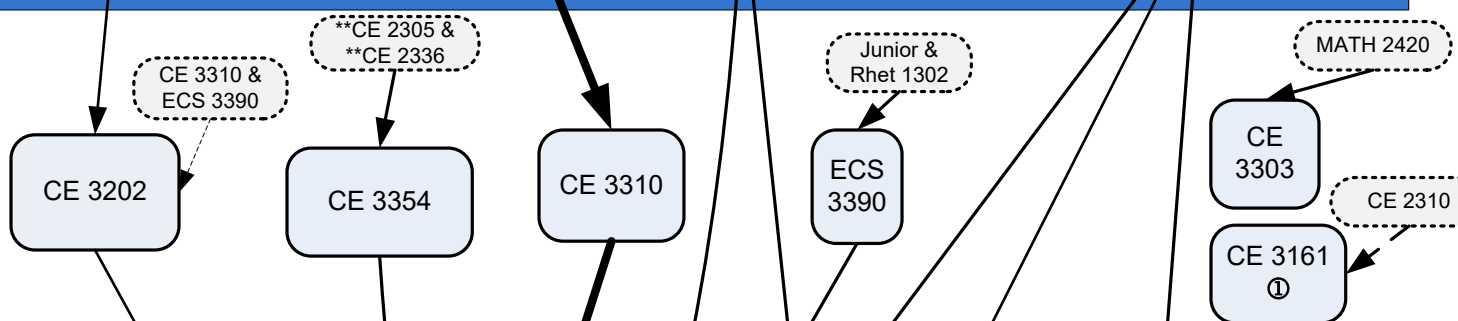
## Sophomore

Description	Course No
Electrical Network Analysis	CE 3301
Fundamentals I	CE 3201
Data Structures & Intro to Algorithmic Analysis	CE 3345
Digital Circuits	CE 3320
3 hours CORE: Choices below	



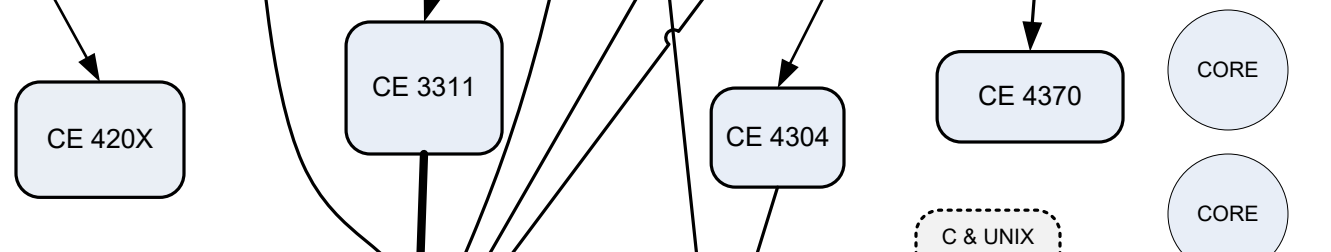
## Junior

Description	Course No
Fundamentals II	CE 3202
Electronic Devices	CE 3310
Software Engineering	CE 3354
Social Issues & Ethics in Eng.	CE 3161
Prof & Tech Communication	ECS 3390
Discrete-Time Signals & Systems	CE 3303



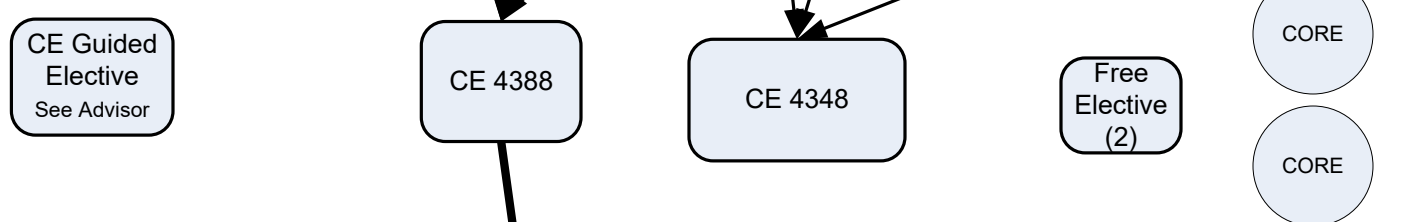
## Junior

Description	Course No
CE Elective Lab	CE 420X
Electronic Circuits	CE 3311
Computer Architecture	CE 4304
Embedded Microprocessor Systems	CE 4370
6 hours CORE: Choices below	



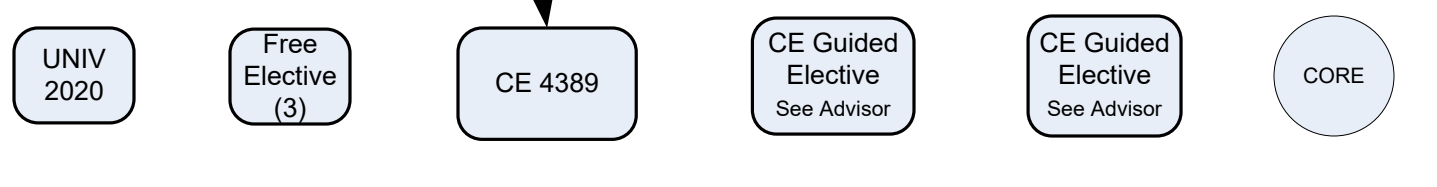
## Senior

Description	Course No
3 hours CE Guided Elective	CE 43XX
Operating Systems Concepts	CE 4348
Senior Design Project I	CE 4388
2 hours Free Elective	See Advisor
6 hours Core: Choices below	



## Senior

Description	Course No
Senior Design Project II	CE 4389
CE Guided Elective	CE 43XX
3 hours Free Elective	See Advisor
3 hours CORE: Choices Below	
Core Curriculum Assessment	UNIV 2020



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

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

Ⓢ Prerequisite: Junior level standing

