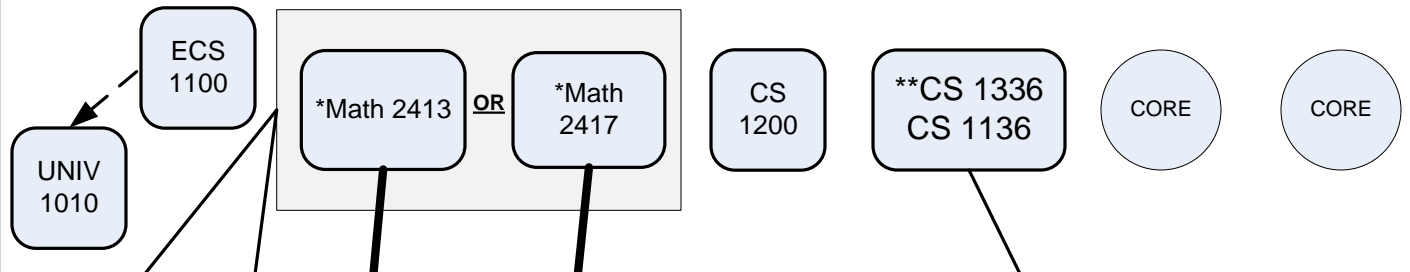


BS Software Engineering Suggested Four Year Plan 2022 – 2023 Catalog

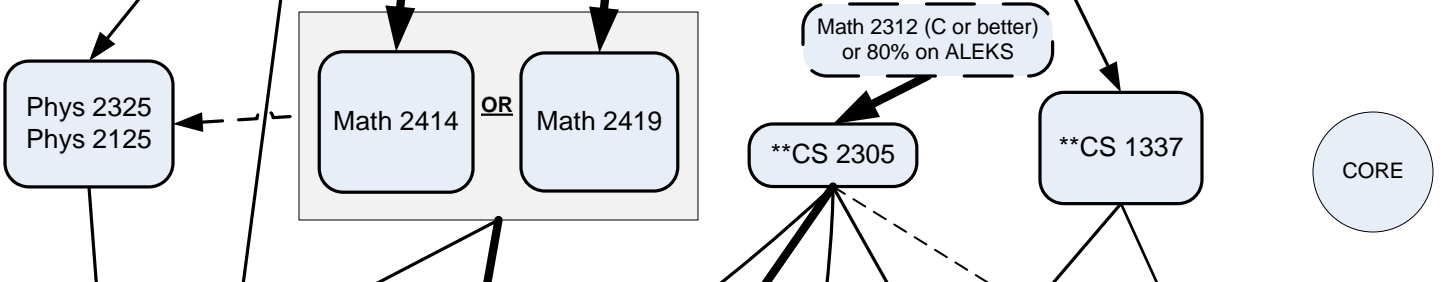
Freshman

Description	Course No
Introduction to CS & SE	CS 1200
Introduction to Engr & CS	ECS 1100
Calculus I	Math 2413 or 2417
Programming Fundamentals	CS 1336
Computer Science Lab	CS 1136
6 hours CORE: Choices below	
Freshman Seminar	UNIV 1010



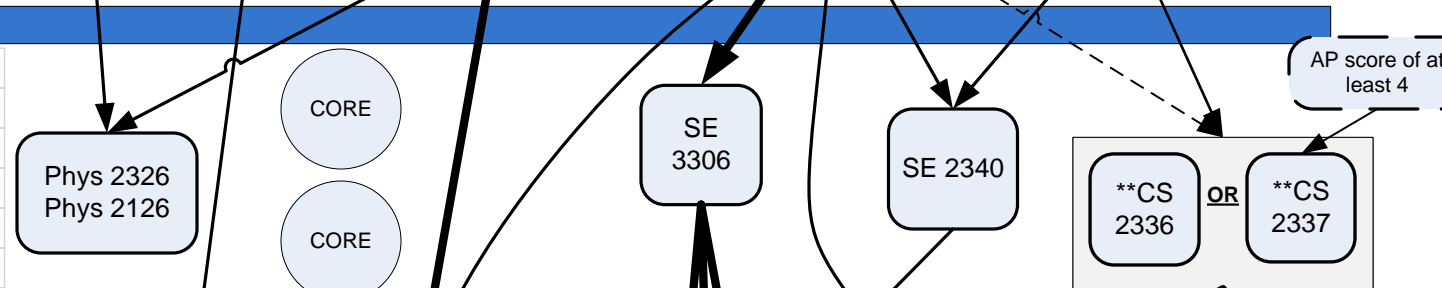
Freshman

Description	Course No
Computer Science I	CS 1337
Discrete Mathematics I	CS 2305
Calculus II	Math 2414 or 2419
Mechanics and Heat	Phys 2325
Mechanics and Heat Lab	Phys 2125
3 hours CORE: Choices below	



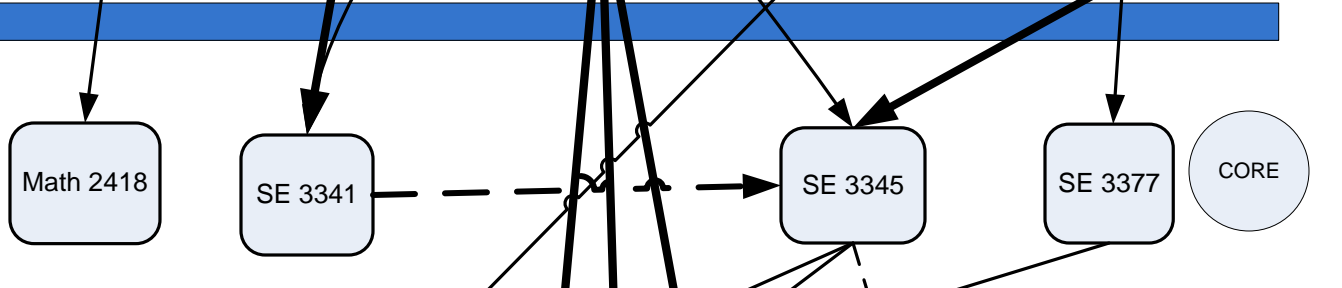
Sophomore

Description	Course No
Mathematics Foundations of SE	SE 3306
Computer Architecture	SE 2340
Electricity and Magnetism	Phys 2326
Electricity and Magnetism Lab	Phys 2126
6 hours CORE: Choices below	



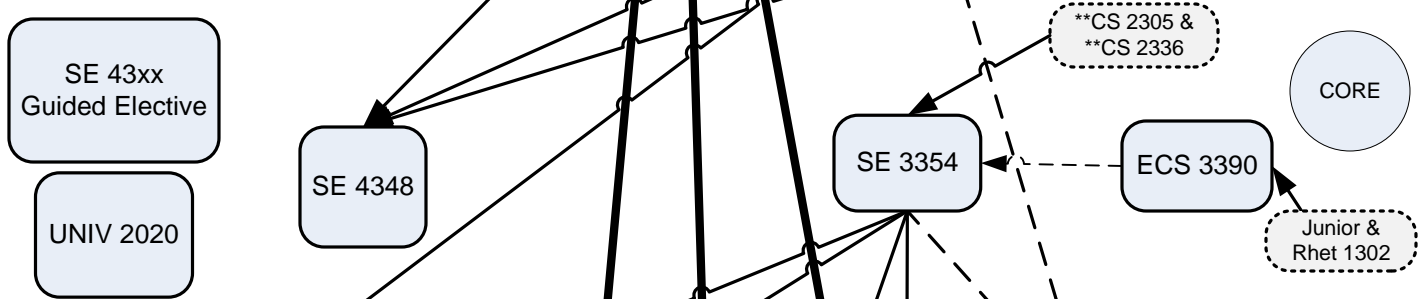
Sophomore

Description	Course No
Probability & Statistics in CS	SE 3341
Algorithms Analysis & Data Struct	SE 3345
C/C++ Prog'ing in a UNIX Env.	SE 3377
Linear Algebra	Math 2418
3 hours CORE: Choices below	



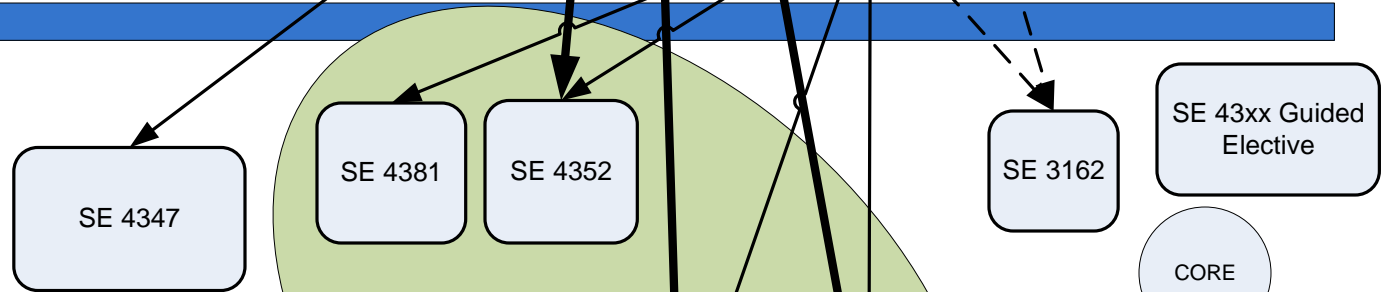
Junior

Description	Course No
Software Engineering	SE 3354
Operating Systems	SE 4348
SE Guided Elective	SE 43XX
Prof & Tech Communication	ECS 3390
3 hours CORE: Choices below	
Core Curriculum Assessment	UNIV 20202



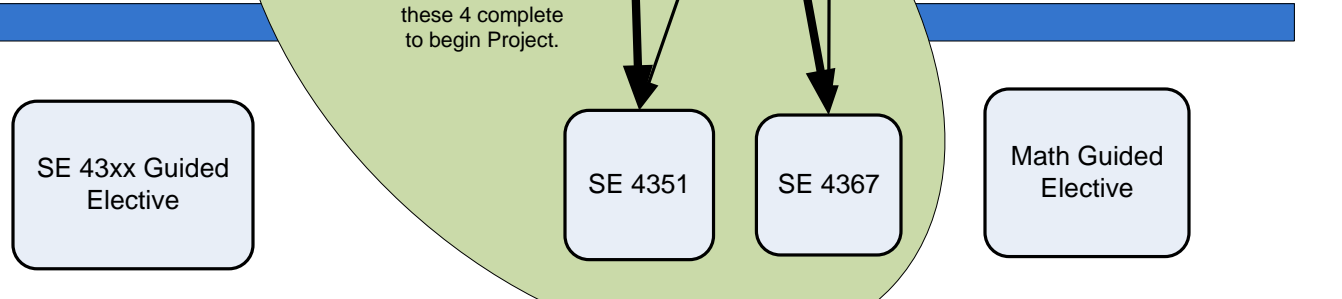
Junior

Description	Course No
Software Project Planning & Mgmt.	SE 4381
Software Architecture & Design	SE 4352
3 hours SE Guided Elective	SE 43XX
Database Systems	SE 4347
Prof. Responsibility in CS & SE	SE/CS 3162



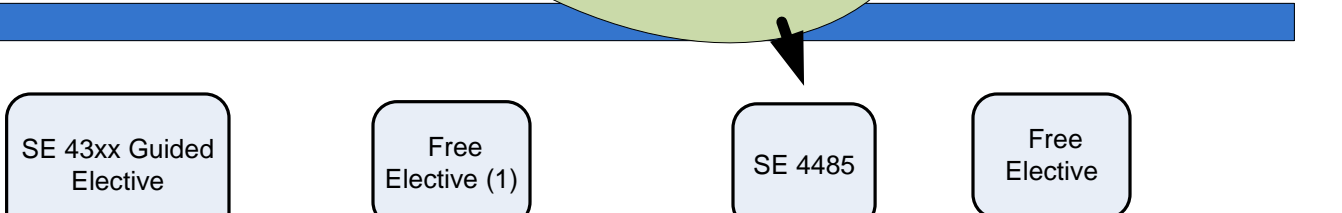
Senior

Description	Course No
Software Testing, Verif, Valid, QA	SE 4367
Requirements Engineering	SE 4351
3 hours SE Guided Elective	SE/CS 43XX
3 hours Math Guided Elective	
3 hours CORE: Choices below	



Senior

Description	Course No
Software Engineering Project	SE 4485
3 hours SE Guided Elective	SE 43XX
4 hours Free Elective	See Advisor



***A grade of C- or better is needed in Math 2413 or Math 2417 to move forward.**
****A grade of C or better is required for CS 1336, CS 1337, CS 2305, and CS 2336.**

Core Choices

Rhet 1302	3 hours From:	3 hours From:	6 hours From:	3 hours From:
Govt 2305 Govt 2306	Ahst 1303, 1304, 2331 Arts1301 Danc 1310 Film 2332 Musi 1306 Thea 1310	Ams 2300 Ams 2341 Huma 1301 Lit 2331 Phil 1301 Phil 2316, 2317	Hist 1301 Hist 1302 Hist 2301 Hist 2330 Hist 2332	Crim 1301 Econ 2301 Econ 2302 Geog 2303 Psy 2301

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

