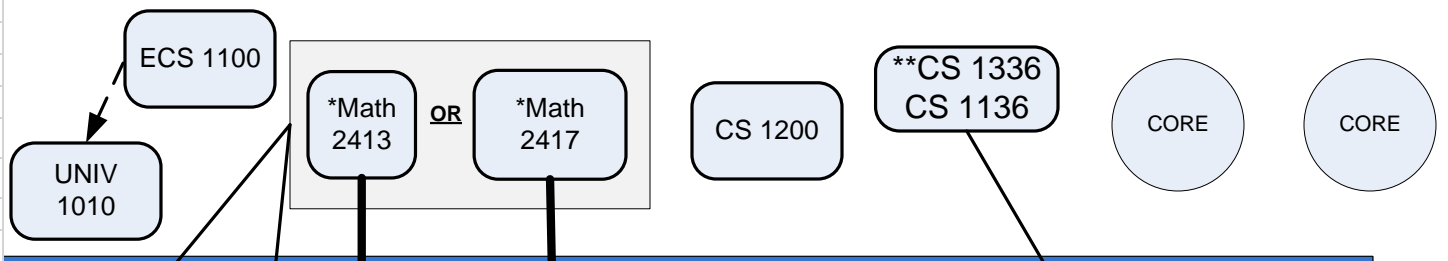


BS Computer Science Suggested Four Year Plan 2022 – 2023 Catalog

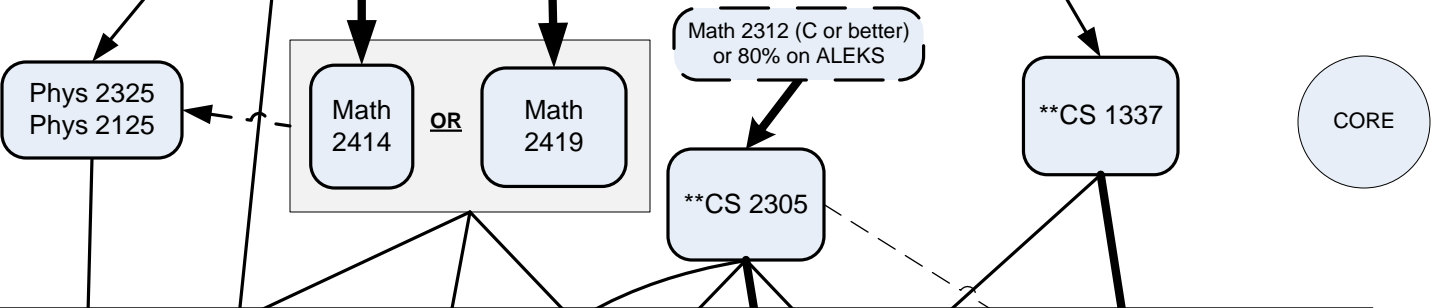
Freshman

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



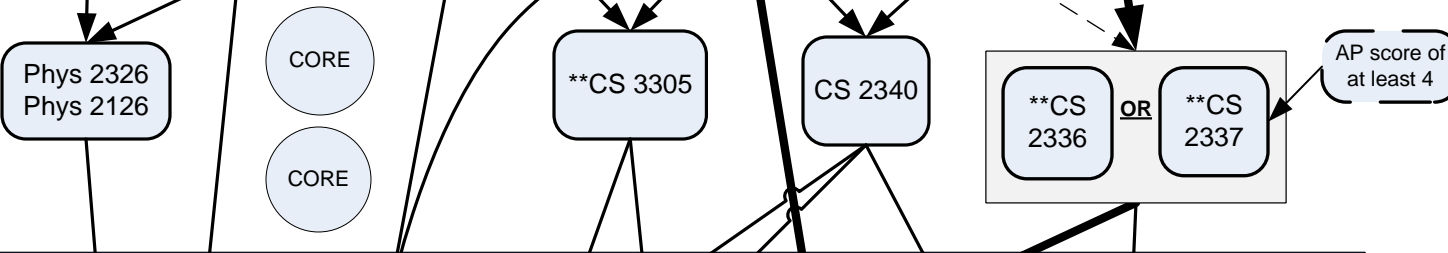
Freshman

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
Computer Science II	CS 2336 or CS 2337
3 hours CORE: Choices below	



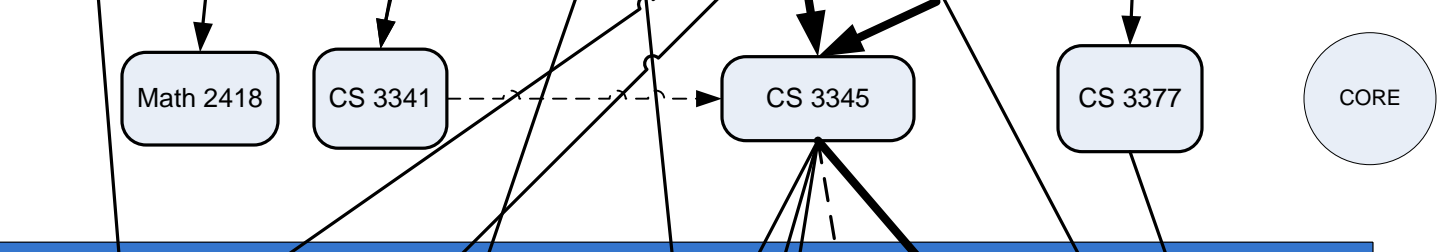
Sophomore

Description	Course No
Discrete Math for Computing II	CS 3305
Computer Architecture	CS 2340
Electricity and Magnetism	Phys 2326
Electricity and Magnetism Lab	Phys 2126
6 hours CORE: Choices below	



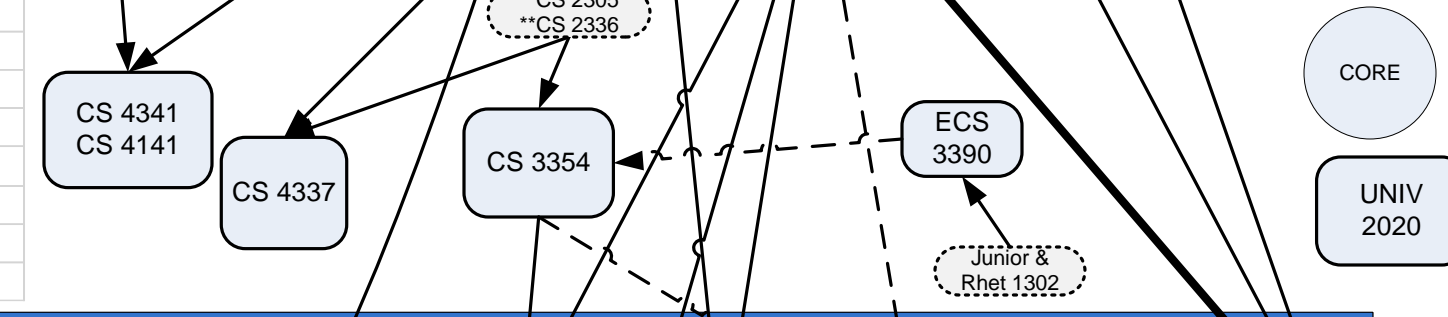
Sophomore

Description	Course No
Probability & Statistics in CS	CS 3341
Algorithm Analysis & Data Struc	CS 3345
C/C++ Programming in UNIX Envr.	CS 3377
Linear Algebra	Math 2418
3 hours CORE: Choices below	



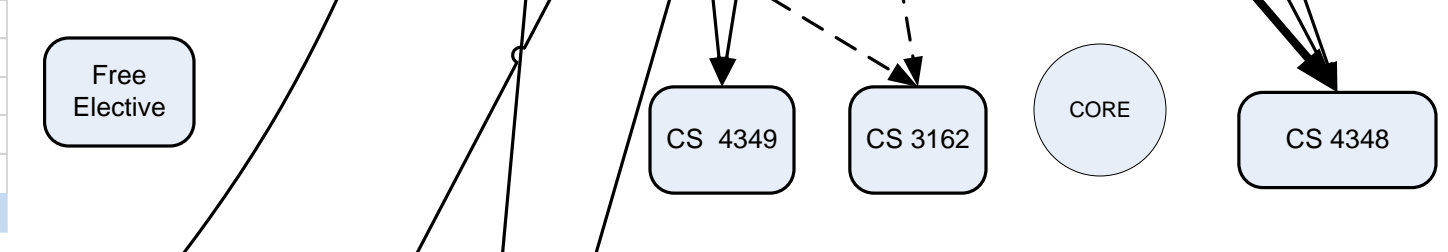
Junior

Description	Course No
Software Engineering	CS 3354
Organization of Programming Lang	CS 4337
Digital Logic and Computer Design	CS 4341
Digital Systems Laboratory	CS 4141
Professional & Technical Comm	ECS 3390
3 hours CORE: Choices below	
Core Curriculum Assessment	UNIV 2020



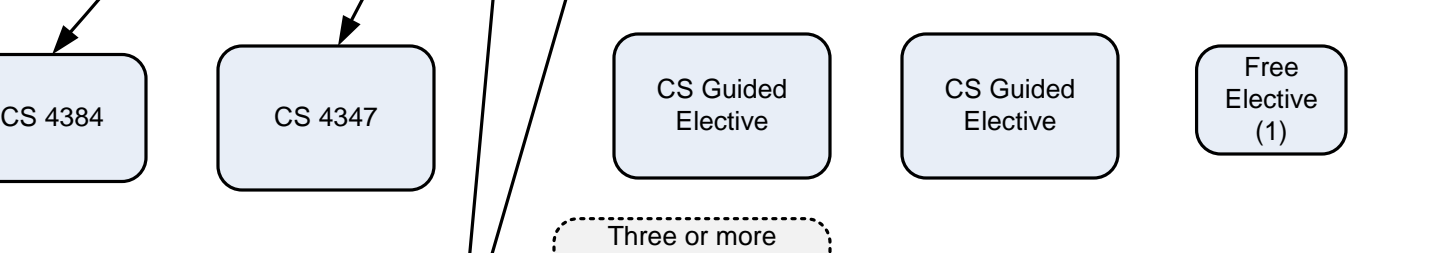
Junior

Description	Course No
Prof. Responsibility in CS and SE	CS 3162
Operating Systems Concepts	CS 4348
Adv Data Structures & Algorithms	CS 4349
3 hours CORE: Choices below	
3 hours Free Elective	See Advisor



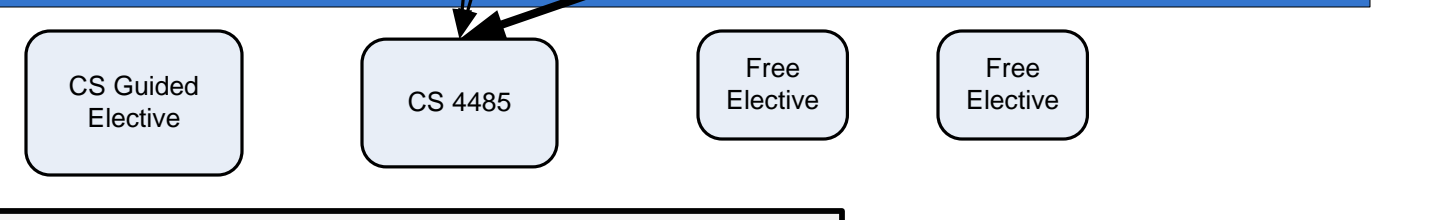
Senior

Description	Course No
Automata Theory	CS 4384
CS Guided Elective	CS 43XX
CS Guided Elective	CS 43XX
Database Systems	CS 4347
1 hours Free Elective	See Advisor



Senior

Description	Course No
Computer Science Project	CS 4485
CS Guided Elective	CS 43XX
6 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, CS 2336, CS 2337 and CS 3305.**

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

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

