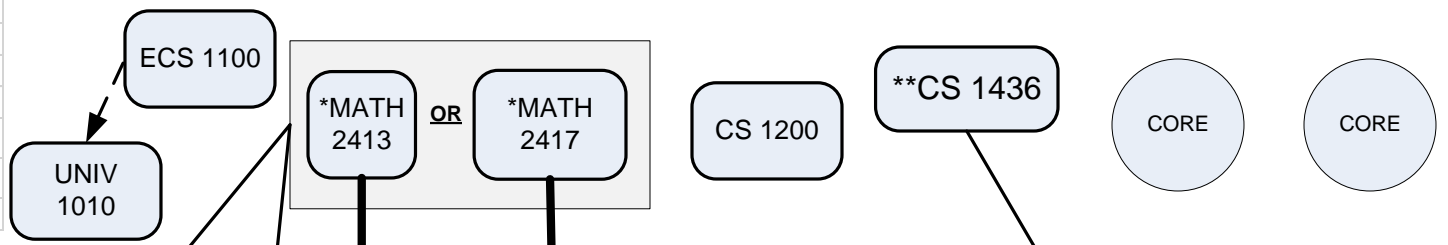


BS Computer Science Suggested Four Year Plan 2023 – 2024 Catalog

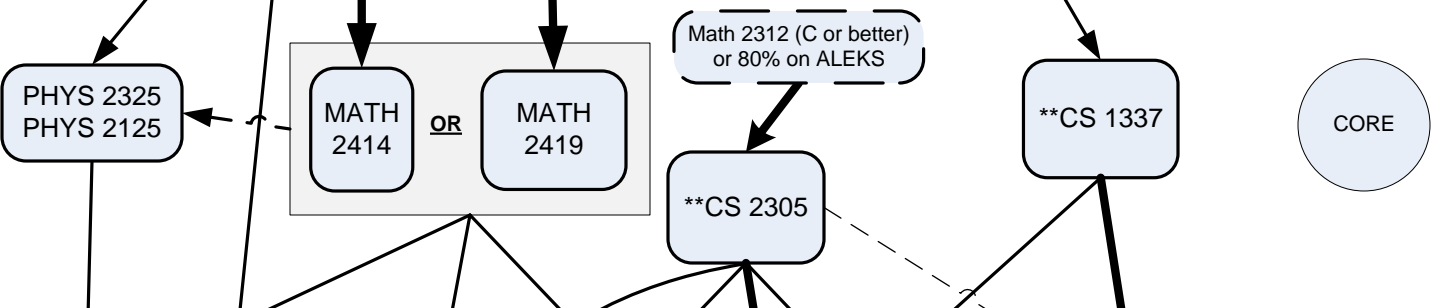
Freshman

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 1436
6 hours CORE: Choices below	
Freshman Seminar	UNIV 1010



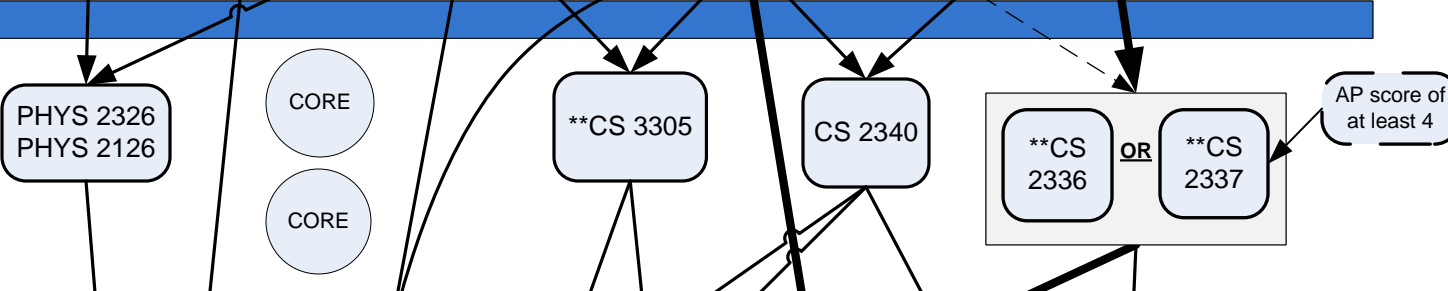
Freshman

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	



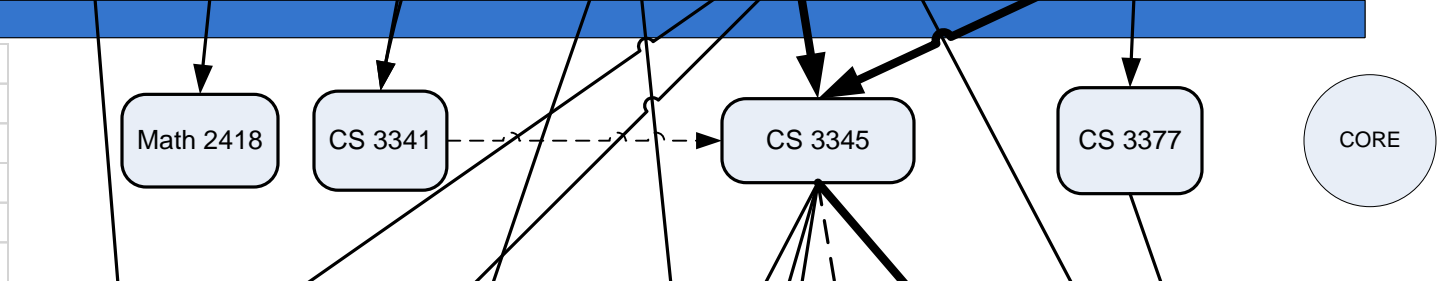
Sophomore

Description	Course No
Discrete Math for Computing II	CS 3305
Computer Architecture	CS 2340
Computer Science II	CS 2336 or 2337
Electricity and Magnetism	Phys 2326
Electricity and Magnetism Lab	Phys 2126
3 hours CORE: Choices below	



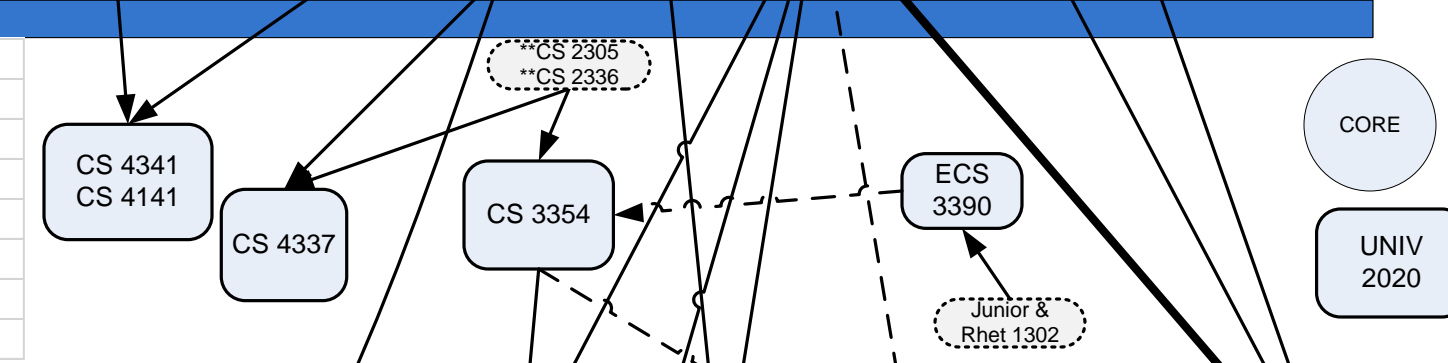
Sophomore

Description	Course No
Probability & Statistics in CS	CS 3341
Algorithm Analysis & Data Struc	CS 3345
Systems Programming in UNIX and Other	CS 3377
Linear Algebra	Math 2418
3 hours CORE: Choices below	



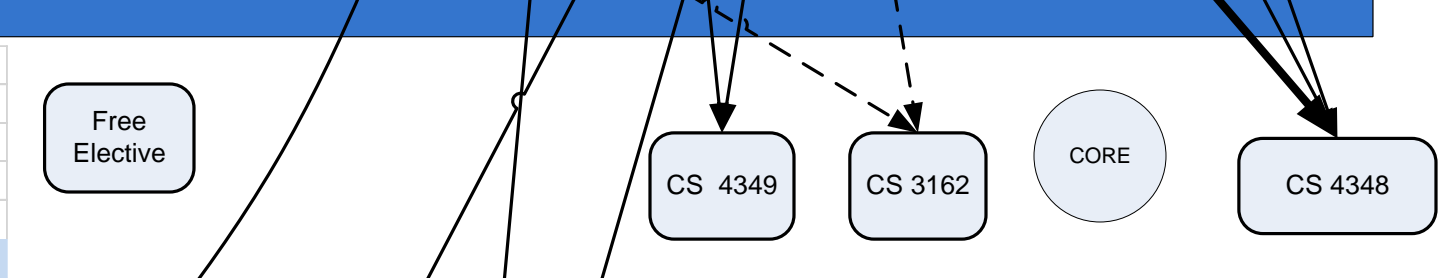
Junior

Description	Course No
Software Engineering	CS 3354
Programming Language Paradigms	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



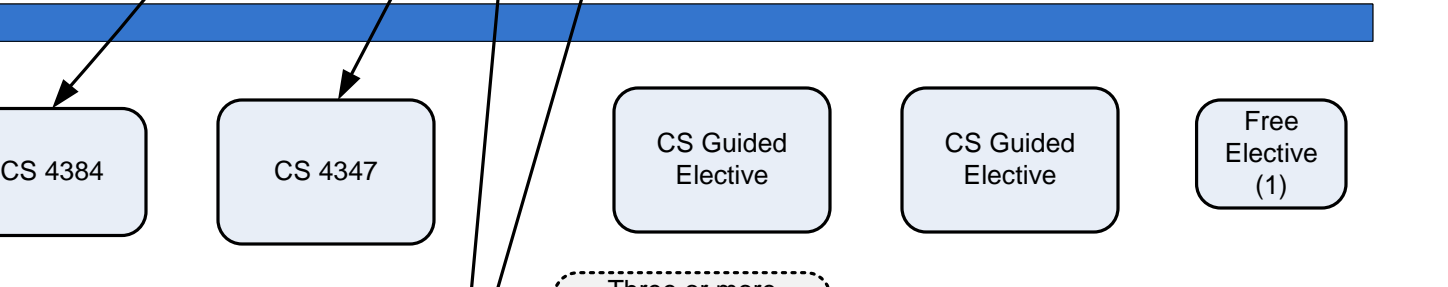
Junior

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



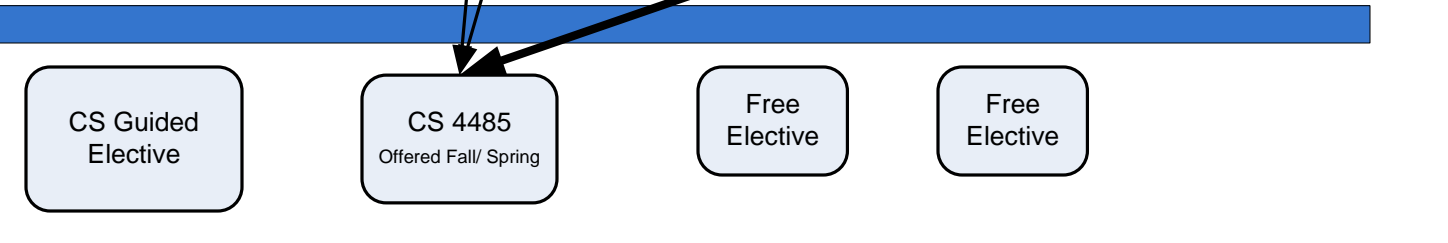
Senior

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.

