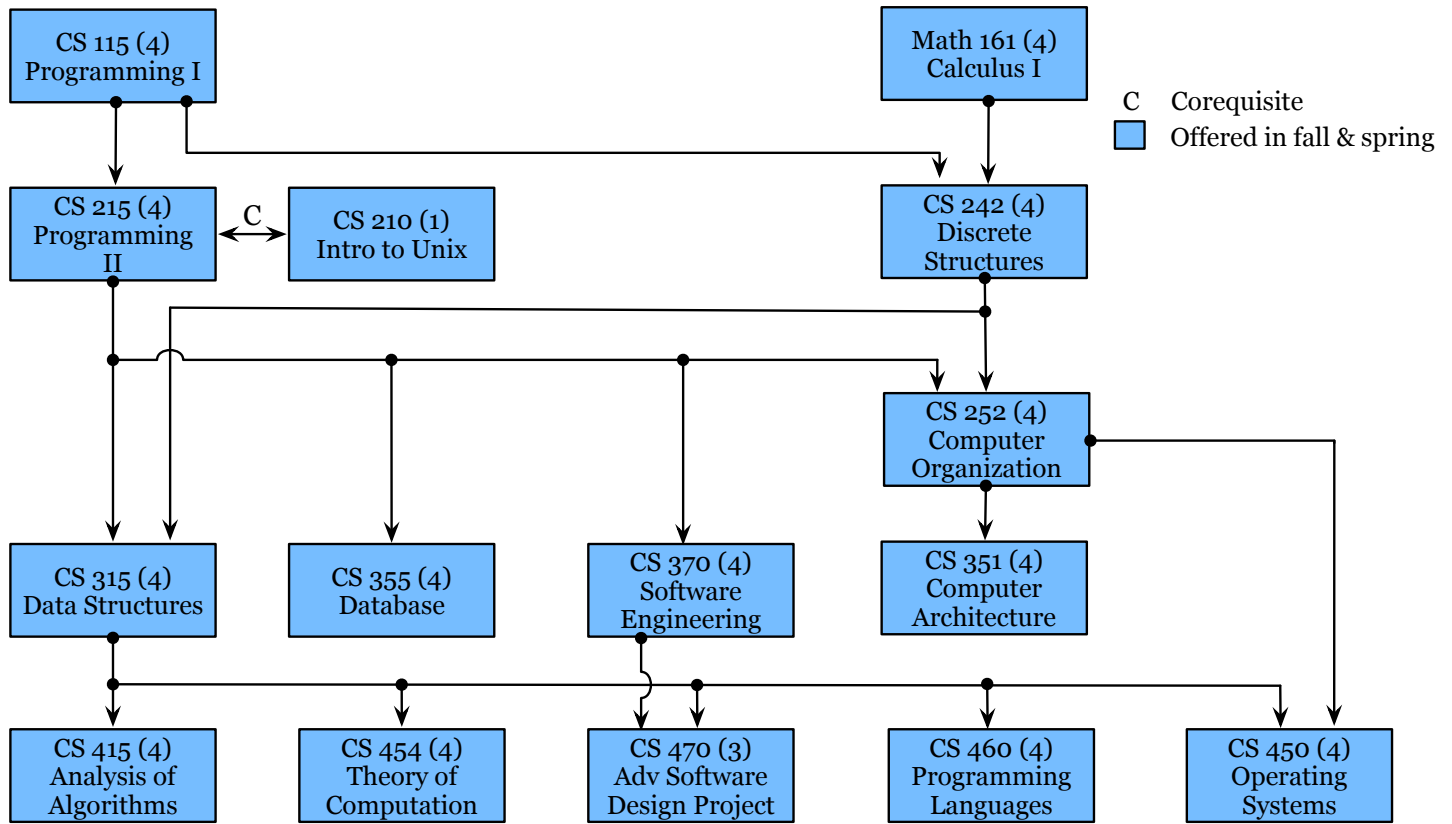


CS Degree Requirements Summary Effective Fall 2015



1. In addition to the courses listed above, CS majors are required to take 9 units from *Computer Science Electives* and two courses from *Support Courses* listed below.
2. CS 115 and MATH 161 satisfy GE Areas B3 and B4 requirements, respectively.
3. Students must earn a grade of C- or better in MATH 161, CS 115, CS 210, CS 215, CS 242, CS 252, CS 315, and CS 370.

4. The capstone experience can either be fulfilled by taking CS 470 or CS 496.
5. CS 349 & CS 390 can be taken multiple times.
6. No more than 3 units of electives can be satisfied by a combination of CS 349, CS 390, CS 495, and CS 497.

Computer Science Electives

CS 340 Computer Security & Malware	3
CS 330 Game Programming	3
CS 349 Problem Solving in a Team Env.	1
CS 360 Object-Oriented Programming	3
CS 365 Computer Networking & the Internet	3
CS 375 Computer Graphics	3
CS 385 Selected Topics in CS	1-4
CS 386 Selected Topics w Lab	3
CS 390 Computer Science Colloquium	1
CS 425 Parallel Computing	3
CS 452 Compiler Design & Construction	3
CS 465 Data Communication	3
CS 480 Artificial Intelligence	3
CS 495 Special Studies	1-4
CS 497 Internship	2

Support Courses

MATH 165 Elementary Statistics	4
MATH 211 Differential & Integral Calculus	4
MATH 222 Elementary Applied Linear Algebra	3
MATH 241 Differential Equations w/ Linear Algebra	4
MATH 306 Number Theory	4
MATH 316 Graph Theory & Combinatorics	4
MATH 352 Numerical Analysis	4
MATH 416 Graph Theory & Combinatorics	4
MATH 430 Linear Systems Theory	3
MATH 470 Mathematical Models	4
PHYS 214 Introduction to Physics II	4

Write to kooshesh@sonoma.edu for more information