

Advising Sheet for CS Majors

Please fill out this form completely prior to your advising appointment. Past and present courses should be in pen. Proposed courses should be in pencil.

Name: _____

Current Year: Freshman, Sophomore, Junior, Senior

Expected Graduation: Fall / Spring, 20_____

CAS Requirements Indicate all courses past or present and circle (filling in when not explicitly listed) the courses you propose to take next semester.

WR 100: _____ WR 150: _____ (Check, circle, or leave blank)

Foreign Language (4th sem. level): _____ (or bilingual, SAT, or AP)

Divisional Studies (see undergraduate bulletin for exact requirements):

HU: _____ HU: _____ SS: _____ SS: _____

NS (lab): _____ NS: _____

CS Concentration Requirements Indicate all courses taken or current and circle (filling in when not explicitly listed) the courses you propose to take next semester. For completed courses, indicate your grade. A minimum grade of C is required in all CS Concentration courses.

MA 123 or equiv. experience: _____

Group A: **Take all of the following courses.**

CS 111: _____ CS 112: _____ CS 131: _____

CS 210: _____ CS 330: _____

Group B: **Take at least two.**

CS 132 or MA 242: _____ CS 235 or MA 294: _____ CS 237: _____

Group C: **Take at least two.**

CS 320: _____ CS 332: _____ CS 350: _____

Group D: **Take at least four at the 400- and 500-levels, making sure to take at least 15 courses across Groups A, B, C, and D.**

CS _____: _____ CS _____: _____ CS _____: _____

CS _____: _____ CS _____: _____ CS _____: _____

Proposed Schedule List your proposed schedule for next semester, with potential alternates. Consider taking CS courses in addition to the CS concentration requirements, but fulfill the requirements first.

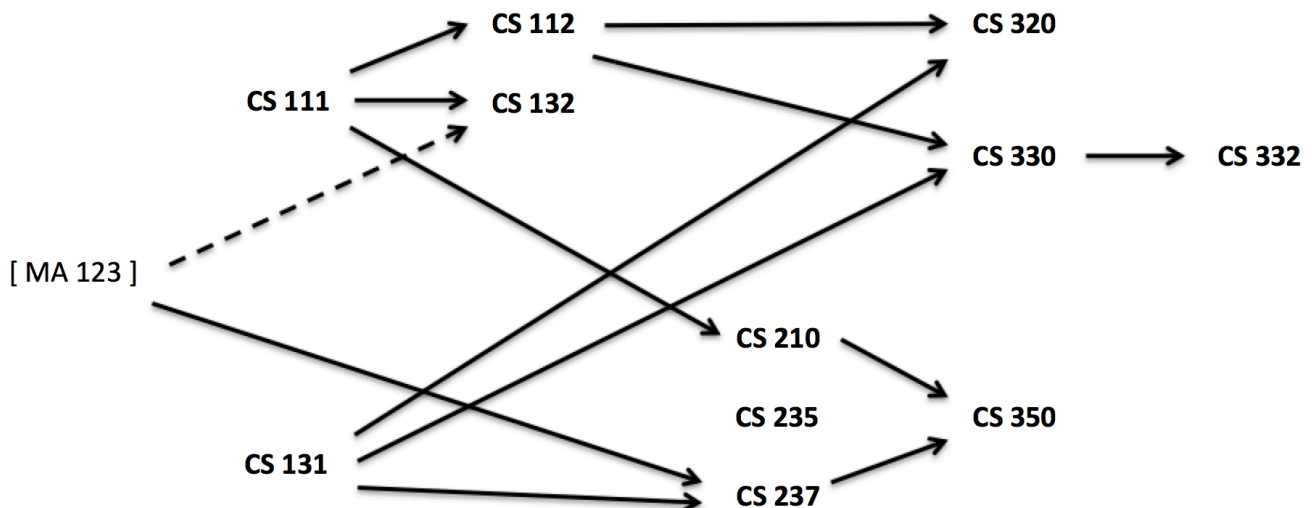
(1) _____ (2) _____ (3) _____ (4) _____

Alternates: (5) _____ (6) _____

Undergraduate Courses in Computer Science

- | | |
|---|--|
| <p>CS 111 Introduction to CS I
 CS 112 Introduction to CS II
 CS 131 Combinatoric Algorithms
 CS 132 Geometric Algorithms
 CS 210 Computer Systems
 CS 235 Algebraic Algorithms
 CS 237 Probability in Computing
 CS 320 Concepts of Programming Languages
 CS 330 Introduction to Analysis of Algorithms
 CS 332 Elements of the Theory of Computation
 CS 350 Fundamentals of Computing Systems
 CS 410 Advanced Software Systems
 CS 411 Software Engineering
 CS 440 Introduction to Artificial Intelligence
 CS 451 Distributed Systems
 CS 455 Computer Networks
 CS 460 Introduction to Database Systems
 CS 480 Introduction to Computer Graphics</p> | <p>CS 511 Object-Oriented Software Principles
 CS 512 Formal Methods for High Assurance System Design
 CS 520 Programming Languages
 CS 530 Advanced Algorithms
 CS 535 Complexity Theory
 CS 537 Randomness and Computing
 CS 538 Fundamentals of Cryptography
 CS 542 Machine Learning
 CS 548 Advanced Cryptography
 CS 552 Introduction to Operating Systems
 CS 553 Operating Systems II
 CS 556 Advanced Computer Networks
 CS 558 Computer Networks Security
 CS 562 Advanced Database Applications
 CS 565 Data Mining
 CS 580 Advanced Computer Graphics
 CS 583 Computational Audio
 CS 585 Image and Video Computing
 CS 591 Topics in Computer Science</p> |
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Prerequisite Structure for Groups A, B, & C



To determine prerequisites for Group D classes, consult the CAS Bulletin.