Advising Sheet for CS Majors

Last Update: October 2014

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

Name: ______________________________
Current Year: FR SO JR SR
Sem. Of Grad: F/S _______

CAS Requirements Indicate all courses taken or current 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.

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) ________
111 Introduction to CS I
112 Introduction to CS II
131 Combinatoric Structures
132 Geometric Algorithms
210 Computer Systems
211 Algebraic Algorithms
212 Physical Computing
235 Algebraic Algorithms
237 Probability in Computing
320 Concepts of Programming Languages
330 Introduction to Analysis of Algorithms
332 Elements of Theory of Computation
350 Fundamentals of Computing Systems
410 Advanced Software Systems
411 Software Engineering
440 Introduction to Artificial Intelligence
450 Computer Architecture
460 Introduction to Database Systems
480 Introduction to Computer Graphics
511 Object-Oriented Software Principles
512 Formal Methods for High-Assurance Computer System Design and Analysis
520 Programming Languages
525 Compiler Design Theory
530 Analysis of Algorithms
535 Complexity Theory
537 Probability in Computing
538 Fundamentals of Cryptology
539 Methods of Scientific Computing
542 Machine Learning
548 Advanced Cryptography
549 Pattern Matching and Detection with Applications in Biological Sequence Analysis
552 Introduction to Operating Systems
553 Operating Systems II
556 Advanced Computer Networks
558 Computer Network Security
559 Algorithmic Aspects of Computer Networks
562 Advanced Database Applications
565 Data Mining
580 Advanced Computer Graphics
585 Image and Video Computing