

Computer Science Major Planning Form

The course requirements are Mathematics 111; Computer Science 111, 201, 202, 204, 208, 251, 252, and 254; and two additional courses from among: Computer Science courses numbered 200 or above, Mathematics 311, and Physics 247. Although they are not required for the CS major, we recommend that our students take as many mathematics and statistics courses as possible. In addition, each CS major must complete an integrative exercise: during fall and winter terms of the senior year, the student will participate on a team of four to seven students working on a faculty-specified project. Potential majors should take Computer Science 111, Mathematics 111, and at least one of Computer Science 201, 202, 204, and 208 by the end of the sophomore year. Students contemplating graduate study in computer science should consider taking additional courses in both mathematics (ideally the full Calculus sequence, Mathematics 215, and 232) and computer science. Those interested in computer engineering should consider taking physics courses through Electricity and Magnetism and Electronics.

You can use the check-off below to record when you have completed the required courses.

MATH 111	_____	CS 208	_____
CS 111	_____	CS 251	_____
CS 201	_____	CS 252	_____
CS 202	_____	CS 254	_____
CS 204	_____		

Two additional courses numbered 200 or above:

As you're planning your courses for the next two years we have provided you a list of the classes to be offered. The classes for 2011-2012 are tentative at this time.

2010-11 Class Offerings

CS 111 Introduction to Computer Science
CS 201 Data Structures
CS 202 Mathematics of Computer Science
CS 204 Software Design
CS 208 Comp. Org. & Architecture
CS 251 Programming Languages
CS 252 Algorithms
CS 254 Automata & Computability
CS 311 Computer Graphics
CS 322 Natural Language Processing
CS 331 Computer Networking
CS 341 Cryptography
CS 352 Advanced Algorithms
CS 361 Evolutionary Comp. & Artificial Life

2011-12 Tentative Class Offerings

CS 108 Life in the Age of Networking
CS 111 Introduction to Computer Science
CS 201 Data Structures
CS 202 Mathematics of Computer Science
CS 204 Software Design
CS 208 Computer Organization & Architecture
CS 231 Computer & Network Security
CS 251 Programming Languages
CS 252 Algorithms
CS 254 Automata & Computability
CS 321 Artificial Intelligence
CS 332 Operating Systems
CS 334 Database Systems
CS 395 Senior Seminar