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.

<table>
<thead>
<tr>
<th>MATH 111</th>
<th>CS 208</th>
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<tbody>
<tr>
<td>CS 111</td>
<td>CS 251</td>
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<td>CS 201</td>
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<td>CS 202</td>
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<td>CS 204</td>
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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 311 Artificial Intelligence
- CS 332 Operating Systems
- CS 334 Database Systems
- CS 395 Senior Seminar