# COMPUTER SCIENCE MAJOR
## REQUIREMENTS CHECKLIST

<table>
<thead>
<tr>
<th>Name:</th>
<th>ID#:</th>
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<td>Expected Graduation Date:</td>
<td>Advisor:</td>
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### Course Number and Title | Waiver/Substitution | Semester | Units |
|--------------------------|---------------------|----------|-------|
#### Required Courses (Lower Division, 20 units)
- **CS 110** Intro to CS I (4)
- **CS 112** Intro to CS II (4)
- **CS 212** Software Development (4)
- **CS 220** Intro to Parallel Computing (4) or **CS 221** C and Systems Programming (4)
- **CS 245** Data Structures and Algorithms (4)
#### Required Courses (Upper Division, 20 units)
- **CS 326** Operating Systems (4)
#### Systems Area (4 units)
- **CS 315** Computer Architecture (4)
#### Theory and Languages Area (4 units); one of the following courses
- **CS 345** Programming Languages (4), **CS 411** Automata Theory (4) or **CS 414** Compilers (4)
#### Applications Area (4 units)
- Any CS300- or CS400-level course excluding CS398/CS498.
#### Senior Project (4 units)
- **CS 490** Senior Team Project (4)

Graduate classes can be taken to fulfill the Systems / Theory / Applications requirements with the approval of the Department Chair.

### Required Math Courses (12 units)
- **Math 109** Calculus and Analytic Geometry I (4)
- **Math 201** Discrete Mathematics (4)
- **Math 202** Linear Algebra and Probability Theory (4)

Total Units for the Major = 52

### Science Core Requirement:
Computer Science students must take one of the following classes for Core B2:
- **Biology 103, Biology 105, Biology 106**, **Chemistry 106, Chemistry 110, Chemistry 111, Chemistry 113**, **Environmental Science 100, Environmental Science 110**, **Physics 100, Physics 101, Physics 110**, or **Physics 210**.

Initial Advising Approvals: [Student’s Signature: Date:]  [Advisor’s Signature: Date:]  [Dept. Chair’s Signature: Date:]

Final Graduation Approvals: [Student’s Signature: Date:]  [Advisor’s Signature: Date:]  [Dean’s Approval: Date:]

Reviewed 03/01/2016