Revised November, 2015

Curriculum Guide for Computer Science, B.S. Degree

<table>
<thead>
<tr>
<th>Freshman Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
</tr>
<tr>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>CS 150 Problem Solving &amp; Programming. I</td>
</tr>
<tr>
<td>MATH 153 Calculus I</td>
</tr>
<tr>
<td>CS 191 First Year Seminar: How Does Software Work?</td>
</tr>
<tr>
<td>Liberal Studies</td>
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</tbody>
</table>

If a student is not beginning in Calculus I, see the department for a revised course sequence.

<table>
<thead>
<tr>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FALL SEMESTER</strong></td>
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<tr>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>CS 351 Data Structures and Algorithms</td>
</tr>
<tr>
<td>CS 363 Software Development</td>
</tr>
<tr>
<td>MATH 250 Logic and Proof</td>
</tr>
<tr>
<td>ENGL 202 Writing and Critical Inquiry</td>
</tr>
<tr>
<td>Liberal Studies</td>
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</tbody>
</table>

Upper Level Perspective (ULP): An approved Upper Level Liberal Studies Perspectives course is required in one of the Liberal Studies Perspectives categories.
### Junior Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs.</td>
</tr>
<tr>
<td>CS 220 Social and Ethical Issues in Computing</td>
<td>1</td>
</tr>
<tr>
<td>CS 465 Computer Networking</td>
<td>3</td>
</tr>
<tr>
<td>MATH 270 or 370 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>3</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

The first semester of the senior year, students may apply for graduation.

### Senior Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs.</td>
</tr>
<tr>
<td>CS 495 Capstone I</td>
<td>2</td>
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<tr>
<td>CS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**Total Hours for Degree: 120**

This sequence assumes that students begin in Calculus I. Students can begin with math courses other than Calculus I, the initial math course should be determined by placement. Please see the Advising Center for questions.

Students may finish earlier if they attend summer school at WCU or another approved institution.