## COMPUTER SCIENCE, BACHELOR OF SCIENCE - STANDARD TRACK

### Summary of Graduation Requirements

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>40</td>
</tr>
<tr>
<td>Core Major</td>
<td>53</td>
</tr>
<tr>
<td>Requirements Electives</td>
<td>27</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>

### Curriculum

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM 101 &amp; SEM 102</td>
<td>Spartan Seminar 101 and Spartan Seminar 102</td>
<td>2</td>
</tr>
<tr>
<td>PED 100</td>
<td>Fundamentals of Fitness for Life</td>
<td>1</td>
</tr>
<tr>
<td>HED 100</td>
<td>Personal and Community Health</td>
<td>2</td>
</tr>
<tr>
<td>CSC 101</td>
<td>Introduction to the Computer Science</td>
<td>1</td>
</tr>
<tr>
<td>CSC 170</td>
<td>Computer Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 170L</td>
<td>Computer Programming Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>CSC 260</td>
<td>Computer Programming II</td>
<td>3</td>
</tr>
<tr>
<td>CSC 260L</td>
<td>Computer Programming II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ENG 101</td>
<td>College English I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>College English II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 153</td>
<td>College Algebra &amp; Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MTH 184</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEM 201</td>
<td>Spartan Seminar 201</td>
<td>1</td>
</tr>
<tr>
<td>CSC 268</td>
<td>Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CSC 295</td>
<td>Java Applications Programming</td>
<td>3</td>
</tr>
<tr>
<td>ENG 303</td>
<td>Professional &amp; Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>CSC 361</td>
<td>Survey of Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>MTH 251</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 371</td>
<td>Discrete Mathematical Structures</td>
<td>4</td>
</tr>
<tr>
<td>CSC 372</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>ENG 285</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one Laboratory Science Elective and the corresponding Laboratory of the following:

<table>
<thead>
<tr>
<th>Bio 110 &amp; 110L</th>
<th>General Biology and General Biology Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phy 152 &amp; 152L</td>
<td>General Physics and General Physics Laboratory</td>
</tr>
</tbody>
</table>

#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 292</td>
<td>Unix and C Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSC 468</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Computer Science Electives (300 or above)</td>
<td>3</td>
</tr>
<tr>
<td>CSC 380</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MTH 351</td>
<td>Probability &amp; Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Humanities or Foreign Languages</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one Laboratory Science Elective Sequence of the following:

<p>| Bio 110 &amp; 110L | General Biology and General Biology Laboratory |</p>
<table>
<thead>
<tr>
<th>Phy 152 &amp; 152L</th>
<th>General Physics and General Physics Laboratory</th>
</tr>
</thead>
</table>

#### Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 464</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSC 498</td>
<td>Computer Science Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>CSC 499</td>
<td>Computer Science Seminar II</td>
<td>2</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Humanities Cultural Elective</td>
<td>3</td>
</tr>
<tr>
<td>MTH XXX</td>
<td>Mathematics Elective (300 level or above)</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Computer Science Electives (300 level or above)</td>
<td>9</td>
</tr>
</tbody>
</table>

Select one Laboratory Science Elective (300 level or above)

<p>| Bio 111 &amp; 111L | General Biology and General Biology Laboratory |</p>
<table>
<thead>
<tr>
<th>Phy 153 &amp; 153L</th>
<th>General Physics and General Physics Laboratory</th>
</tr>
</thead>
</table>

#### Credits

| Credits | 30 |

#### Total Credits

| Credits | 120 |