# Bachelor of Arts Computer Science

## 2nd Degree

### Graduation Planning Strategy

**Total Program Hours: 64**

*Minimum grade of C required.*

To be able to follow this schedule you must have completed the following:

- CS 1180 or equivalent Course with minimum grade of C
- WSU Core courses
- MTH 2280 Business Calculus or MTH 2240 Applied Calculus and STT 1600 Statistical Concepts
- CS 2200*1/2200R Discrete Struct & Algorithms or MTH 2570* Discrete Math for Computer Scientists (can also be taken fall of year one)

### Year One

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem.</th>
<th>Grade</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 2350/2350L Operating System Concepts and Usage</td>
<td>4</td>
<td></td>
<td>CS 1160 or CS 1180 or CEG 2170</td>
</tr>
<tr>
<td>CS 1181*/1181L Computer Science II</td>
<td>4</td>
<td></td>
<td>CS 1180 and (MTH 1280 or MPL 40)</td>
</tr>
<tr>
<td>CS 1000 Tech &amp; Society (WSU Core Global Traditions)</td>
<td>3</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td><strong>IF NEEDED</strong> CS 2200*/2200R Discrete Struct &amp; Algorithms or</td>
<td>4</td>
<td></td>
<td>CS1200 or (MTH 1280 or MPL40)</td>
</tr>
<tr>
<td>MTH 2570* Discrete Math for Comp</td>
<td>4</td>
<td></td>
<td>MTH 1280 or MPL 40</td>
</tr>
<tr>
<td>CEG2400 Introduction to PC Networking</td>
<td>3</td>
<td></td>
<td>CS1150 or CS1160 or CS1180 or CEG2170</td>
</tr>
<tr>
<td>CEG3120 Intro to the Design of Information Technology Systems</td>
<td>3</td>
<td></td>
<td>CS 1181</td>
</tr>
<tr>
<td>CEG 3310/3310L* Computer Organization</td>
<td>4</td>
<td></td>
<td>CS 1181 or (CEG2170 and(CEG3320 or EE2000))</td>
</tr>
<tr>
<td>CS 2800 Web Development I</td>
<td>3</td>
<td></td>
<td>CS 1160 or CS1180 or CEG2170</td>
</tr>
<tr>
<td>CS/CEG 2000/3000 level Tech Elective</td>
<td>3</td>
<td></td>
<td>CS1180 or CS1160 or CEG2170</td>
</tr>
<tr>
<td>CS/CEG 3100* Data Structures &amp; Algorithms</td>
<td>3</td>
<td></td>
<td>CS1181 and CEG2350 and CEG3310 and (MTH2570 or CS2200)</td>
</tr>
<tr>
<td>CS/CEG 2000/3000 level Tech Elective</td>
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<td></td>
<td>CS/CEG 2000/3000 level Tech Elective</td>
</tr>
<tr>
<td>CS/CEG 4000 level Tech Elective</td>
<td>3</td>
<td></td>
<td>CS/CEG 4000 level Tech Elective</td>
</tr>
<tr>
<td>Paid Internship**</td>
<td>3</td>
<td></td>
<td>IF NEEDED MTH 2280 or MTH 2240 or STT 1600 or CS 1180 or CS1160 or CEG2170</td>
</tr>
</tbody>
</table>

**The department will assist with internship placement. You will need to interview and be accepted by the employer.**

### Year Two

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem.</th>
<th>Grade</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS/CEG 4000 level Tech Elective</td>
<td>3</td>
<td></td>
<td>CS/CEG 4000 level Tech Elective</td>
</tr>
<tr>
<td>CEG 4110 Introduction to Software Engineering</td>
<td>3</td>
<td></td>
<td>CS3100*</td>
</tr>
<tr>
<td>ENG 2140 Research, Tech Writing &amp; Presentation for Sci &amp; Eng or</td>
<td>3</td>
<td></td>
<td>ENG 1100 or ENG 1110 or ENG 1130 or ENG 1140</td>
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<tr>
<td>EGR 3350 Technical Comm for Engineers and Comp Sci</td>
<td>3</td>
<td></td>
<td>ENG 1100</td>
</tr>
<tr>
<td>CS/CEG 4000 level Tech Elective</td>
<td>3</td>
<td></td>
<td>CS/CEG 4000 level Tech Elective</td>
</tr>
</tbody>
</table>

### Notes
- Technical Electives: Some technical electives require additional pre-requisites please check specific course descriptions.
- 24 credit hours of Computer Science or Computer Engineering Tech Electives required (9 credit hours or 3000 level and 15 credit hours of 4000 level)

Revised Fall 2018