### Major Requirements (50 Hrs.)

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Course</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>CS 2010 Programming Fundamentals</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 2020 Object-Oriented Programming</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 2190 Computer Organization</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CS 2900 Career Preparation in Computing Fields</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3000 Professional &amp; Societal Issues in Computing</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3060 Programming Languages</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3080 Operating Systems</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3350 Standard Data Structures &amp; Algorithms</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3540 Introduction to Software Engineering</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 3900 Internship in Computer Science or 3 cr hrs of CS 3901 Internship in Computer Science</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 4120 Design and Analysis of Algorithms</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 4390 Network Architecture and Application</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CS 4770 Computer Science Capstone Experience OR SE 4770 Software Engineering Capstone Experience</td>
<td></td>
</tr>
</tbody>
</table>

One CS elective from among: CS 3140, CS 3160, CS 3210, CS 3240, CS 3600, CS 3710 & CS 3720, CS 3800. 3 cr hrs of CS 3901 Internship in Computer Science.

Three 4000-level CS electives (excluding 4900), at least two at BGSU.

#### Additional Requirements:

**Mathematics (at least 15 hours)**

- MATH 1310 or both MATH 1340 & 1350
- MATH 2220 or 3220
- MATH 2470 or MATH 3410 or both BA 2110 & 2120

Choose from: MATH 2320, 3280, 3320, 3430

**Science**

- B-10 A&S Lab Science Sequence

**Minor Requirements:** A "general science" minor is offered to students in place of a conventional minor. Consult your Faculty Advisor. (A conventional minor may also be chosen, usually 21 hours.)

### Arts & Sciences Requirements

**Foreign Language (_____ yrs of HS,_____)**

- 1010
- 1020
- 2010
- 2020/2120

**Lab Science**

-

**Quantitative Literacy**

**Multidisciplinary Component** Select from approved offerings, in consultation with an advisor and a faculty mentor. Four courses total, each with a different subject prefix. At least two courses at 3000/4000 level. Courses applied to the Arts & Sciences MDC may not be used to fulfill other Arts and Sciences degree requirements, nor may they be used to fulfill major, minor, BGP or other program requirements.

- 5-B
- OR

**Electives and Non-Credit Courses**

-
For Graduation You Will Need:

1. 122 credit hours minimum.
   In Progress/Completed _________  Needed _________
2. Minimum GPA 2.00.
   Current GPA ___________
3. At least 30 credit hours of BGSU course work.
   In Progress/Completed _________  Needed _________
4. 40 credit hours at the 3000/4000 level.
   In Progress/Completed _________  Needed _________
5. Completion of all degree requirements, including the BG Perspective Core.
   In Progress/Completed _________  Needed _________
6. A major, and if required, a minor, specialization or emphasis.
   Declared with the College Office  ☐ Yes  ☐ No

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a College Advisor during the semester prior to your intended graduation.

Remember to complete an Application for Graduation by the end of the second week of classes during the fall semester or spring regular session, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.