A Computer Science major requires satisfying the BASE requirement, plus the requirements for the Bachelor of Science B.S. degree or one of the three Bachelor of Arts options (B.A.-Business; B.A.-Computer Systems; or B.A.-Computer and Information Technology).

**GPA.** A minimum 2.5 GPA (cumulative in all courses required for the major) must be earned in CSC 2430, and a minimum 1.7 (C- grade) must be earned in each other course required for the major.

[Note: Courses marked with * may fulfill a general education requirement.]

## BASE REQUIREMENT -- B.S. OR B.A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 1230 Problem Solving and Programming</td>
<td>5</td>
</tr>
<tr>
<td>CSC 2430 Data Structures I</td>
<td>5</td>
</tr>
<tr>
<td>CSC 2431 Data Structures II</td>
<td>5</td>
</tr>
<tr>
<td>CSC 3150W Systems Design</td>
<td>5</td>
</tr>
<tr>
<td>CSC 3310 Concepts in Programming Languages</td>
<td>4</td>
</tr>
<tr>
<td>CSC 3350 Systems Programming</td>
<td>4</td>
</tr>
<tr>
<td>CSC 3430 Algorithm Design and Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CSC 4990 Senior Capstone in Comp.Sci.</td>
<td>2</td>
</tr>
</tbody>
</table>

**BASE REQUIREMENT – B.S. BACHELOR OF SCIENCE REQUIREMENT**

BASE + 72 Credits (Major Total = 106)

1 course from the following list:
- CSC 2220 Scientific & Engineering Programming (3)
- CSC 2221 Programming Techniques (3)
- CSC 2224 Object-Oriented Programming (3)
- CSC 3760 Computer Organization & Assembly Lang. (5)
- 16 credits (four courses): CSC 4000 - 4899

**BACHELOR OF ARTS REQUIREMENT**

### B.A. - BUSINESS OPTION

BASE + 51 Credits (Major Total = 85)

- CSC 2221 Programming Techniques (3)
- CSC 3750 Computer Architecture and Organization (5)
- 8 credits (two courses): CSC 4000 - 4899

1 course from the following list:
- MAT 1221 Survey of Calculus (5) *
- MAT 1225 Calculus I (5) *
- MAT 1360 Introduction to Statistics (5) *
- ECN 2101 Principles of Micro Economics (5) *
- ACCT 2361 Financial Accounting (5)

1 course from the following list:
- ACCT 2362 Managerial Accounting (5)
- BUS 3250 Business Finance (5)

### BACHELOR OF ARTS REQUIREMENT

### B.A. – COMPUTER & INFORMATION TECHNOLOGY OPTION

BASE + 31 Credits (Major Total = 65 + specialization)

1 course from the following list:
- CSC 2220 (3); CSC 2221 (3); or CSC 2224 (3)
- CSC 3750 Computer Architecture and Organization (5)
- 8 credits (two courses): CSC 4000 - 4899

1 course from the following list:
- MAT 1720 Mathematics for Computer Science (5)
- MAT 1225 Calculus I (5) *
- MAT 1226 Calculus II (5)
- MAT 1228 Series and Differential Equations (5)
- MAT 1360 Introduction to Statistics (5) *

Specialization CITech package, as approved by the Computer Science Department (varies).