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).

**Major Admission GPA.** A minimum 2.5 GPA (cumulative in all courses required for the major) is required for admission to the major. Additionally, a minimum 2.0 ("C" grade) 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 Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CSC 1230 Problem Solving and Programming (5)</td>
<td></td>
</tr>
<tr>
<td>CSC 2430 Data Structures I (5)</td>
<td></td>
</tr>
<tr>
<td>CSC 2431 Data Structures II (5)</td>
<td></td>
</tr>
<tr>
<td>CSC 3150W Systems Design (5)</td>
<td></td>
</tr>
<tr>
<td>CSC 3220 Applications Programming (3) (or CSC2221 (3))</td>
<td></td>
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<tr>
<td>CSC 3221 Netcentric Computing (3)</td>
<td></td>
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<tr>
<td>CSC 3310 Concepts in Programming Languages (4)</td>
<td></td>
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<tr>
<td>CSC 3350 Systems Programming (4)</td>
<td></td>
</tr>
<tr>
<td>CSC 3430 Algorithm Design and Analysis (4)</td>
<td></td>
</tr>
<tr>
<td>CSC 4898 Senior Capstone in Computer Science (2)</td>
<td></td>
</tr>
</tbody>
</table>

### B.S. BACHELOR OF SCIENCE REQUIREMENT

BASE + 69 Credits (Major Total = 109)

- CSC 3760 Computer Organization & Assembly Lang. (5)
- 1 Project course from the following list
  - CSC 4150 Software Engineering (4)
  - CSC 4820 Adv. Issues – Project course (4)
- 12 credits (three courses): CSC 4000 - 4850
- MAT 1225 Calculus I (5) *
- MAT 1226 Calculus II (5)
- MAT 1228 Series and Differential Equations (5)
- MAT 2375 Probability Theory (2)
- MAT 2376 Applied Statistics (3)
- MAT 2720 Discrete Mathematics (3)
- PHY 1121 Physics for Science and Engineering (5) *
- PHY 1122 Physics for Science and Engineering (5) *
- PHY 1123 Physics for Science and Engineering (5) *
- EE 1210 Introduction to Logic System Design (5)
- EE 3280 Microcontroller System Design (5)

### BACHELOR OF ARTS REQUIREMENT B.A. - BUSINESS OPTION

BASE + 48 Credits (Major Total = 88)

- CSC 3750 Computer Architecture and Organization (5)
- 8 credits (two courses): CSC 4000 - 4850
- 1 course from the following list:
  - MAT 1221 Survey of Calculus (5) *
  - MAT 1225 Calculus I (5) *
- MAT 1720 Mathematics for Computer Science (5)
- MAT 1360 Introduction to Statistics (5) *
- ECN 2101 Principles of Micro Economics (5) *
- ACCT 2361 Financial Accounting (5)
- BUS 3250 Business Finance (5)
- 1 course from the following list:
  - BUS 3541W Marketing & Society (5)
  - BUS 3614 Organizational Behavior (5)

### BACHELOR OF ARTS REQUIREMENT B.A. - COMPUTER & INFORMATION TECHNOLOGY Transfer DEGREE COMPLETION OPTION

BASE + 28 Credits (Major Total = 68 + specialization)

- CSC 3750 Computer Architecture and Organization (5)
- 8 credits (two courses): CSC 4000 – 4850
- 1 course from the following list:
  - MAT 1221 Survey of Calculus (5) *
  - MAT 1225 Calculus I (5) *
- MAT 1720 Mathematics for Computer Science (5)
- MAT 1360 Introduction to Statistics (5) *
- Specialization CITech package, as approved by the Computer Science Department (varies).