Central Connecticut State University

BS Computer Science

Effective Fall 2018

**General Education**

<table>
<thead>
<tr>
<th>Study Area</th>
<th>Description</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>I - Arts &amp; Humanities (9 credits)</td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td>II - Social Sciences (9 credits)</td>
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<td>3</td>
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<tr>
<td>III - Behavioral Sciences (6 credits)</td>
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<tr>
<td>IV - Natural Sciences (6-7 credits)</td>
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**Skill Area I - Communication Skills (6 credits)**

- [ ]

**Skill Area II - Mathematical (6 credits)**

- MATH 152 Calculus I: 4 credits
- MATH 217/218 Discrete Math for CS Majors: 4 credits

**Skill Area III - Foreign Language (check one)**

- 3 sequential years of one foreign language at the high school level
- passed the foreign language placement exam
- completed 112 or 118 foreign language courses
- demonstration of native proficiency in a language other than English

**Skill Area IV - Univ. Requirements (2-3 credits)**

- PE 144 - Fitness / Wellness: 2 credits
- Other unused skill area course for Transfer Students:

**Other Graduation Requirements**

- International Requirement
- International Requirement
- FYE*: students entering with less than 15 cr

*First Year Experience

A minimum of 30 credits "in residence", with at least 15 credits in the major and 9 credits in the minor, is required for a bachelor's degree.

**Major Requirements**

(38 credits total, including MATH 152 and 217/218)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CS 151</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 152</td>
<td>Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CS 153</td>
<td>Computer Science III</td>
<td>3</td>
</tr>
<tr>
<td>CS 253</td>
<td>Data and File Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 254</td>
<td>Comp Org &amp; Assembly Lang Prog</td>
<td>3</td>
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</table>

**Computer Science - Electives (15 credits)**

- [ ]

**Minor (18-24 credits)**

- [ ]

**Concentration in Cybersecurity (Optional)**

- CS 291 Introduction to Computer Forensics: 3 credits
- CS 493 Secure Software Systems: 3 credits
- CS 494 Cryptographic Systems: 3 credits

**Electives (to complete the required 120 credits)**

- [ ]