## Major Requirements 2020-21

### Preparation for the Major  

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPSC 16</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 24</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 32</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 40</td>
<td>5</td>
</tr>
<tr>
<td>CMPSC 64</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3A-B, 4A-B, 6A</td>
<td>20</td>
</tr>
<tr>
<td>PSTAT 120A</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1, 2, 3, 3L</td>
<td>12</td>
</tr>
</tbody>
</table>

### Upper Division Major  

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPSC 111 or 140</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 130A-B</td>
<td>8</td>
</tr>
<tr>
<td>CMPSC 138</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 148 or 156 or 172</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 154</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 160 or 162</td>
<td>4</td>
</tr>
<tr>
<td>CMPSC 170</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 101</td>
<td>3</td>
</tr>
<tr>
<td>PSTAT 120B</td>
<td>4</td>
</tr>
<tr>
<td>Major Field Electives</td>
<td>32</td>
</tr>
</tbody>
</table>

Eight courses selected from the following list (at least 8 units must be CMPSC courses).  

Prior approval of the student’s major field electives must be obtained from the faculty advisor.

- CMPSC 111
- CMPSC 140
- CMPSC/ECE 153A
- CMPSC 160
- CMPSC 162
- CMPSC 165A-B
- CMPSC 171/ECE 151
- CMPSC 174A-B
- CMPSC 176A-B-C
- CMPSC 177
- CMPSC 178
- CMPSC/ECE 181B
- CMPSC 180
- CMPSC 184
- CMPSC 185
- CMPSC 189 A-B
- CMPSC 190 AA-ZZ
- CMPSC 192
- CMPSC 196
- CMPSC 196B
- ECE 130A-B-C
- ECE 152A
- ECE 153B
- ECE 160
- ECE 178
- MATH 108A-B
- MATH 119A-B
- MATH 124A-B
- PSTAT 122
- PSTAT 130
- PSTAT 160A-B

### University Requirements  

- UC Entry Level Requirement: English Composition
  - Must be fulfilled within three quarters of matriculation

- American History and Institutions – (one 4-unit course, may be counted as G.E. if selected from approved list)

### General Education  

#### Area A: English Reading & Comprehension – (2 courses required)

- A-1:  
- A-2:  

#### Area D: Social Science

- (2 courses minimum)

#### Area E: Culture and Thought

- (2 courses minimum)

#### Area F: The Arts  

#### Area G: Literature

- (1 course minimum)

### Special Subject Areas  

- Ethnicity (1 course):
- European Traditions
- or World Cultures (1 course):

### Writing (4 courses required):

### Non-Major Electives  

Free Electives taken:

### Total Units Required for Graduation

184