### Core Requirements: 32 - 33 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code M, R, P, WVD, SUB*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 1121 and CS 1122 or CS 1131</td>
<td>5/6</td>
<td></td>
</tr>
<tr>
<td>CS 2311</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4723 or EE 4723</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SAT 1700</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SAT 2711</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SAT 3812</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SAT 4510</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SAT 4816</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MA 2320</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### Math Requirements: 8 - 9 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code M, R, P, WVD, SUB*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 1160 or MA 1161</td>
<td>4/5</td>
<td></td>
</tr>
<tr>
<td>MA 2720</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### Lab Science Requirements: 7 Credits

Students must complete two science courses in two different disciplines, from the Science Course List; at least one of these must include or be taken with the accompanying laboratory.

### Technical Elective Courses: 3 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code M, R, P, WVD, SUB*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU3120, SS3640, MIS4200, OSM4300, ENT3950 and ENT3960, CS3000 - CS5999, EE3000 - EE5999, SAT3000 - SAT5999</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Concentration Requirements: 36 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code M, R, P, WVD, SUB*</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 1142</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 2321</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3141</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3331</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3421</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3425</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3411</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 3712</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4321</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4461</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4471</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 4740</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Concentration Requiremens: 36 Credits

**Math Requirements:** 8 - 9 Credits

**Lab Science Requirements:** 7 Credits

**Core Requirements:** 32 - 33 Credits

**Technical Elective Courses:** 3 Credits

**Concentration Requirements:** 36 Credits

### Culminating Experience: 4 Credits

Choose one from any of the following three options. All activities need preapproval from the department advisor and include a significant cybersecurity experience.

#### Senior Design I & II

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS/SAT 4793</td>
<td>2</td>
</tr>
<tr>
<td>CS/SAT 4794</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Undergraduate Cooperative Education I & II

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3002</td>
<td>2</td>
</tr>
<tr>
<td>UN 3003</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Enterprise Project Work

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 4950</td>
<td>2</td>
</tr>
<tr>
<td>ENT 4960</td>
<td>2</td>
</tr>
</tbody>
</table>

Credits Subtotal

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**M**-Passed with valid grade, transfer, or Advance Placement credit; **R**-Registered in course; **P**-Plan to take in future, **WVD**-Waived course or credit (does not reduce total degree credits required), **SUB**-Petitioned as substitute course.

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*CCY1UG Catalog 202108 1*
General Education Requirements: 24 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M, R, P, WVD, SUB*</td>
</tr>
</tbody>
</table>

Courses used to complete General Education may not be used to complete other degree requirements.

### Core: 12 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1015</td>
<td>3</td>
</tr>
<tr>
<td>UN 1025 or upper level modern language</td>
<td>3</td>
</tr>
<tr>
<td>Critical and Creative Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Social Responsibility and Ethical Reasoning</td>
<td>3</td>
</tr>
</tbody>
</table>

### HASS: 12 Credits

- **Core:** Students must complete 12 credits of HASS course work
- **6 of the 12 credits must be at the 3000- or 4000- level**
- **At least three credits each in the following:** Communication/Comp, Humanities and Fine Arts, Social & Behavioral Sciences.
- **No more than three credits may come from the Restricted List**

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Minimum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication/Composition</td>
<td>minimum 3</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>minimum 3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>minimum 3</td>
</tr>
<tr>
<td>Course from any list above or Restricted List</td>
<td>0-3</td>
</tr>
</tbody>
</table>

*an upper division language course in place of UN1025 does not meet this requirement.

Co-Curricular Activities: 3 Credits

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.

Free Electives: 5 - 7 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M, R, P, WVD, SUB*</td>
</tr>
</tbody>
</table>

Credits Subtotal

Advisor Use Only

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits Required</td>
<td>121</td>
</tr>
<tr>
<td>Total Credits Completed</td>
<td></td>
</tr>
<tr>
<td>Total Credits Needed</td>
<td></td>
</tr>
</tbody>
</table>

Student Signature Date

Departmental Approval Date