### B.S. in COMPUTER SCIENCE
#### Suggested 4-Year Academic Flowchart

**2017-2019 Catalog**

**FRESHMAN**

<table>
<thead>
<tr>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>Introduction to Computing</td>
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<tr>
<td></td>
<td>Math Elect</td>
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<td>GE (4)</td>
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<td>GE (4)</td>
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**Sophomore**

<table>
<thead>
<tr>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Discrete Structures</td>
<td>CSC 348 (4) <strong>B1</strong></td>
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<tr>
<td>Winter</td>
<td>Spring</td>
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<tr>
<td></td>
<td>Programming, Design &amp; Analysis of Algorithms</td>
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<tr>
<td></td>
<td>CSC/CPE 357 (4) <strong>B3</strong></td>
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<tr>
<td></td>
<td>Programming Languages I</td>
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<td>Programming Languages II</td>
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<td></td>
<td>Senior Project Lab I</td>
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<td>Approved Technical Elective</td>
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**Junior**

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<thead>
<tr>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>Systems Programming</td>
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<td></td>
<td>Expository Writing</td>
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<td>Oral Communication</td>
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<td>Technical Writing for Engineers</td>
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<td>Graduation Writing Requirement</td>
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**Senior**

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<thead>
<tr>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>Introduction to Computer Organization</td>
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<td>Statistics for Engineers</td>
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<td>Senior Project Lab II</td>
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<td>Approved Technical Elective</td>
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Total: 180-181

**Fall 2nd Yr: CEA Madrid, Spain**
- CPE 315, PHYS 133, MATH 244, ME 211, ME 212, Tech Electives; GE C1 or C2

**Spring 3rd Yr: Munich, Germany**
- Tech electives

**Summer 3rd Yr: Munich, Germany**
- GE C1 or C2 and Tech electives (4 units)

**Fall 4th Yr: Chalmers, Sweden**
- STAT 312, CPE 430, Tech Electives

**KTH, Sweden**
- CPE 307, CPE 365, CPE 349, Tech Electives

**Swinburne, Australia**
- BIO 213, BIO 161, CSC 430, Tech Electives

**SUMMER: Munich, Germany**