## COMMON CORE: 1 15 Credits
- Analytical Reading/Writing  WRT102  ____
- Academic Writing  WRT202  ____
- Human Communication  CM104  ____
- Calculus I  MAT171  ____
- Physical Education (2 crs.)  ____  ____

### AREA DISTR. REQUIREMENTS: 2

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Fine Arts &amp; Humanities</td>
<td>6 Credits</td>
<td>____  ____  ____  ____</td>
</tr>
<tr>
<td>II. Social &amp; Behav. Sciences</td>
<td>6 Credits</td>
<td>____  ____  ____  ____</td>
</tr>
<tr>
<td>III. Laboratory Sciences</td>
<td></td>
<td>____  ____  ____  ____</td>
</tr>
</tbody>
</table>

### SATISFIED BY MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV. Amer./West. Civ., Am. Govt.</td>
<td>6 Credits</td>
<td>____  ____  ____  ____</td>
</tr>
<tr>
<td>V. Int'l. St./Foreign Lang.</td>
<td>6 Credits</td>
<td>____  ____  ____  ____</td>
</tr>
</tbody>
</table>

### REQUIRED ELECTIVES: 3 12 Credits
- General Chemistry I  CHM134  ____
- Calculus II  MAT172  ____
- Differential Equations  MAT272  ____

### REQUIRED MAJOR COURSES: 4 89 Credits
- Fund. of Computer Science I  CS101  ____
- Fund. of Computer Science II  CS201  ____
- DVA Digital Circuits  ECE220  ____
- Fund. of Computer Engineering  ECE260  ____
- Waves & Optics  ECE270  ____
- Fund. Electrical Engineering  ECE280  ____
- DVA Analog Circuits  ECE310  ____
- Intro to Signal Processing  ECE332  ____
- Discrete Math/Apps  ECE335  ____
- Random Signals  ECE340  ____
- Electromagnetic Fields  ECE350  ____
- Capstone Design I  ECE400  ____
- Capstone Design II  ECE402  ____
- EPADS I  EGR100  ____
- EPADS II  EGR102  ____
- Career Training Prep.  EGR290  ____
- Mathematical Methods  EGR290  ____
- Sys Modeling/Analysis  EGR342  ____
- Engineering Physics/Mech  PHY160  ____
- Engineering Physics/E&M  PHY260  ____

### REQ. ENGINEERING CO-OP: 5 (6 Credits)
- Co-op I  EGR491  ____
- Co-op II  EGR492  ____
- Co-op III  EGR493  ____

Plus **TWO** of the following two-course sequences:
(12 credits)

- ECE360 and ECE410  ____  ____
- ECE370 and ECE420  ____  ____
- ECE380 and ECE430  ____  ____
- EGR392 and EGR442  ____  ____

Plus **TWO** of the following Engineering Electives:
(6 Credits)

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS320, 340, 350, 360, 370, 420</td>
<td></td>
</tr>
<tr>
<td>ECE360, 370, 380, 410, 420</td>
<td></td>
</tr>
<tr>
<td>430, 450, 454, 470, 472, 474, 476</td>
<td></td>
</tr>
<tr>
<td>478, 480, 482, EGR392, 442, 446, 490</td>
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</tr>
<tr>
<td>ME250, 260/261, 320</td>
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</tbody>
</table>

### NOTES:

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______________________________     _____
(Signed) Faculty Advisor    Date

______________________________     _____
(Signed) Dept. Chair            Date

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1. All courses must be completed with a minimum “2.0” grade. Courses may not be taken on a pass/fail basis.
2. A minimum of 12 credits of the Area Distribution Requirements must be at the 200-level or above. Courses may not be taken on a pass/fail basis. See Registrar’s Office for official list of courses.
3. Six credits are to be taken in one of these two areas; if foreign language is selected, six credits must be in one language.
4. Requirements listed apply to students who matriculate into or declare this major during the 2012-2013 academic year.