## 2014-2015 Curriculum Guide

**Chemical Engineering and ChE-Materials Engineering Majors**

**Florida State University**

**BS in Chemical Engineering**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR (1ST)</th>
<th>SOPHOMORE YEAR (2ND)</th>
<th>JUNIOR YEAR (3RD)</th>
<th>SENIOR YEAR (4TH)</th>
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<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
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<tr>
<td>15</td>
<td>16</td>
<td>14</td>
<td>16</td>
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<tr>
<td>CHM 1045 - Gen Chemistry I</td>
<td>3</td>
<td>ECH 3023 - Mass &amp; Energy Bal I</td>
<td>3</td>
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<tr>
<td>CHM 1045L - Gen Chem I Lab</td>
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<td>CHM 2210 - Organic Chem I</td>
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<tr>
<td>MAC 2311 - Calculus I</td>
<td>4</td>
<td>MAC 2313 - Calculus III</td>
<td>5</td>
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<tr>
<td>ENC 1101 - English I</td>
<td>3</td>
<td>PHY 2048C - Gen Physics A w/ L</td>
<td>5</td>
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<tr>
<td>History I (W; x or y)</td>
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<td>CHM 4410L - Phys Chem I Lab</td>
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<tr>
<td>EGN 1004L - 1st Yr Engr Lab</td>
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<td><strong>Spring Semester</strong></td>
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<td>14</td>
<td>18</td>
<td>16</td>
<td>13</td>
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<tr>
<td>CHM 1046 - Gen Chemistry II</td>
<td>3</td>
<td>ECH 3024 - Mass &amp; Energy Bal II</td>
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<tr>
<td>CHM 1046L - Gen Chem II Lab</td>
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<td>ECH 3301 - Process Anal &amp; Des</td>
<td>4</td>
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<tr>
<td>MAC 2312 - Calculus II</td>
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<td>CHM 2211 - Organic Chem II</td>
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<tr>
<td>ENC 1102 - English II</td>
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<td>PHY 2049C - Gen Physics B w/ L</td>
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<tr>
<td>BSC 2010 - Biological Science I</td>
<td>3</td>
<td>Humanities III or History II (W)</td>
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<tr>
<td>(ECH 2050 or OCCR Course)</td>
<td>3</td>
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<td>(2-3)</td>
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<tr>
<td><strong>Summer Semester</strong></td>
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<tr>
<td>Humanities I (W;*lit)</td>
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<tr>
<td>Humanities II (W; x or y)</td>
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<tr>
<td>Social Science I</td>
<td>3</td>
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1. Students taking MAC 1105, MAC 1114, and/or MAC 1140 as prerequisites to MAC 2311 should take a math course every term (including summers) until completing the math sequence.
2. History, Social Science, and Humanities electives are to be selected to satisfy the Liberal Studies requirements.
3. ECH 2050 may not be taught during some academic years, but other courses meeting the Oral Communication Competency Requirement are taught on the main campus every term.
4. Most courses shown in the Freshman and Sophomore years of this Guide are also taught during the Summer terms, during which students are encouraged to make up missed classes.
5. See approved Advanced Chemistry and Chemical Engineering electives on reverse side.