## Chemical Engineering Curriculum

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 151  Calculus I</td>
<td>MAT 152  Calculus II</td>
</tr>
<tr>
<td>CHE 201  General Chemistry I</td>
<td>CHE 202  General Chemistry II</td>
</tr>
<tr>
<td>HEA 200  Health Education</td>
<td>COM 103  Oral Communications</td>
</tr>
<tr>
<td>ENG 101  Written Communications I</td>
<td>ENG 102  Written Communications II</td>
</tr>
<tr>
<td>EGR 101  Introduction to Engineering</td>
<td>EGR 102  Intro. Structured Programming</td>
</tr>
<tr>
<td>UNV 101  Individual &amp; Life</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>17</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CME 201  Chemical Engineering Calc I</td>
<td>CHE 302  Organic Chemistry II</td>
</tr>
<tr>
<td>CHE 301  Organic Chemistry I</td>
<td>PHY 204  Intro to Physics II</td>
</tr>
<tr>
<td>MAT 260  Differential Equations</td>
<td>PHY 216  Intro to Physics Lab II</td>
</tr>
<tr>
<td>PHY 203  Intro to Physics I</td>
<td>EGR 208  Engineering Analysis I</td>
</tr>
<tr>
<td>PHY 215  Intro to Physics Lab I</td>
<td>CME 303  Transport Phenomena I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>14</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGR 307  Engineering Analysis II</td>
<td>CME 308  Chemical Reaction Engineering</td>
</tr>
<tr>
<td>CME 307  Chemical Engineering/Thermodynamics</td>
<td>CME 306  Separation Operations</td>
</tr>
<tr>
<td>CME 304  Transport Phenomena II</td>
<td>CHE    Elective Advanced Chemistry</td>
</tr>
<tr>
<td>EGR 315  Engineering Economy</td>
<td>HIS 106  World Civilization II</td>
</tr>
<tr>
<td>EGR 226  Basic Electrical Engineering</td>
<td>BIO 101  Nature of Life</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>15</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CME 407  Chemical Process Design I</td>
<td>CME 408  Chemical Process Design II</td>
</tr>
<tr>
<td>CME 411  Chemical Engineering Lab I</td>
<td>CME 412  Chemical Engineering Lab II</td>
</tr>
<tr>
<td>ELECTIVE  Technical Elective</td>
<td>ELECTIVE  Technical Elective</td>
</tr>
<tr>
<td></td>
<td>EGR 204  Engineering Ethics and Safety</td>
</tr>
<tr>
<td></td>
<td>CME 420  Chemical Engineering Seminar</td>
</tr>
<tr>
<td>HUM 201  Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>CME 405  Process Control</td>
<td></td>
</tr>
<tr>
<td>CME 409  Data Analysis &amp; Design Exp</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>12</td>
</tr>
</tbody>
</table>

**Total Credits 120**