# Industrial Engineering

2013-2014 Catalog

## 122 Total Credits

### First Year

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3</strong> IE 148 (Engineering Problems)</td>
<td><strong>4</strong> Math 166 (Calculus II)</td>
</tr>
<tr>
<td><strong>3</strong> SSH Elective</td>
<td><strong>5</strong> Phys 221 (Classical Physics I)</td>
</tr>
<tr>
<td><strong>4</strong> Math 165 (Calculus I)</td>
<td><strong>3</strong> Engl 150 (Critical Think &amp; Comm)</td>
</tr>
<tr>
<td><strong>4</strong> Chem 167 (Chemistry I)</td>
<td><strong>3</strong> SSH Elective</td>
</tr>
<tr>
<td>R Engr 101 (Engr Orientation)</td>
<td>R IE 101 (IE Profession)</td>
</tr>
<tr>
<td>1 Lib 160 (Library)</td>
<td>16 Total Credits</td>
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**14 Total Credits**

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Semester 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4</strong> Math 265 (Calculus III)</td>
<td><strong>4</strong> Math 267 (Differential Equations)</td>
</tr>
<tr>
<td><strong>3</strong> I E 248 (Manufacturing)</td>
<td><strong>4</strong> Stat 231 (Statistics for Engineers)</td>
</tr>
<tr>
<td><strong>3</strong> Mat E 273 (Prin of Materials E)</td>
<td><strong>3</strong> I E 271 (Applied Ergonomics)</td>
</tr>
<tr>
<td><strong>5</strong> Phys 222 (Classical Physics II)</td>
<td><strong>3</strong> EM 274 (Statics)</td>
</tr>
<tr>
<td><strong>3</strong> Engl 250 (WOVE Comp)</td>
<td>18 Total Credits</td>
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</table>

**18 Total Credits**

### Junior Year

<table>
<thead>
<tr>
<th>Semester 5</th>
<th>Semester 6</th>
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</thead>
<tbody>
<tr>
<td><strong>3</strong> I E 305 (Engineering Economics)</td>
<td><strong>3</strong> I E 348 (Solidification Processes)</td>
</tr>
<tr>
<td><strong>3</strong> I E 341 (Production Systems)</td>
<td><strong>3</strong> I E 361 (Quality Control)</td>
</tr>
<tr>
<td><strong>3</strong> I E 312 (Optimization)</td>
<td><strong>3</strong> Engr Topic Elective</td>
</tr>
<tr>
<td><strong>2</strong> EE 442 (Introduction to Circuits)</td>
<td><strong>3</strong> SSH Elective</td>
</tr>
<tr>
<td><strong>3</strong> Sp Cm 212 (Public Speaking)</td>
<td><strong>3</strong> Management Elective</td>
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<tr>
<td>14 Total Credits</td>
<td>15 Total Credits</td>
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### Senior Year

<table>
<thead>
<tr>
<th>Semester 7</th>
<th>Semester 8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4</strong> I E 413 (Stochastic Modeling)</td>
<td><strong>3</strong> I E 441 (IE Design)</td>
</tr>
<tr>
<td><strong>3</strong> Engl 314 (Tech Communication)</td>
<td><strong>3</strong> I E 448 (Manufacturing Systems)</td>
</tr>
<tr>
<td><strong>3</strong> M E 231 (Thermodynamics)</td>
<td><strong>3</strong> Focus Elective</td>
</tr>
<tr>
<td><strong>3</strong> Focus Elective</td>
<td><strong>3</strong> Management Elective</td>
</tr>
<tr>
<td><strong>3</strong> SSH Elective</td>
<td><strong>3</strong> Engr Topic Elective</td>
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<td>16 Total Credits</td>
<td>15 Total Credits</td>
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**15 Total Credits**