# LAES - ENGINEERING
## - INDUSTRIAL/ MANUFACTURING
### ENGINEERING - SYSTEM DESIGN CONCENTRATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IME 101</td>
<td>Introduction to Industrial and Manufacturing Engineering</td>
<td>1</td>
</tr>
<tr>
<td>IME 223</td>
<td>Process Improvement Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>IME 239</td>
<td>Industrial Costs and Controls</td>
<td>3</td>
</tr>
<tr>
<td>IME 301</td>
<td>Operations Research I</td>
<td>4</td>
</tr>
<tr>
<td>IME 303</td>
<td>Project Organization and Management</td>
<td>4</td>
</tr>
<tr>
<td>IME 314</td>
<td>Engineering Economics</td>
<td>3</td>
</tr>
<tr>
<td>IME 319</td>
<td>Human Factors Engineering (IME 320 - Area F)</td>
<td>3-4</td>
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<tr>
<td>or IME 320</td>
<td>Human Factors and Technology</td>
<td></td>
</tr>
<tr>
<td>IME 326</td>
<td>Engineering Test Design and Analysis</td>
<td>4</td>
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<tr>
<td>IME 420</td>
<td>Simulation</td>
<td>4</td>
</tr>
<tr>
<td>IME 443</td>
<td>Facilities Planning and Design</td>
<td>4</td>
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</tbody>
</table>

**Total units:** 34-35

1  Required in Major; also satisfies GE