## College of Engineering
### Bachelor of Science - Industrial Engineering
#### Four-Year Academic Map 2014-2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>CHEM 1372</strong> Chemistry for Engineers</td>
<td><strong>CHEM 1372</strong> Chemistry for Engineers Lab</td>
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<td></td>
<td><strong>ENGL 1303</strong> First Year Writing I</td>
<td><strong>ENGL 1304</strong> First Year Writing II</td>
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<td><strong>HIST 1376/77</strong> The United States to 1877</td>
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<td></td>
<td><strong>CORE</strong> Language, Philosophy &amp; Culture</td>
<td><strong>MATH 1432</strong> Calculus II</td>
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<tr>
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<td><strong>MATH 1431</strong> Calculus I</td>
<td><strong>PHYS 1321</strong> University Physics I</td>
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<tbody>
<tr>
<td>2</td>
<td><strong>PHYS 1322</strong> University Physics II</td>
<td><strong>ENDE 3333</strong> Engineering Economy I</td>
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<td><strong>ENDE 3330</strong> Financial &amp; Cost Management</td>
<td><strong>ENGI 2304</strong> Technical Communications</td>
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<td><strong>ENDE 2333</strong> Engineering Statistics I</td>
<td><strong>MATH 3321</strong> Engineering Mathematics</td>
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<td><strong>ENDE 2331</strong> Computer Application for Industrial</td>
<td><strong>MECE 3400</strong> Introduction to Mechanics</td>
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<td><strong>MATH 2433</strong> Calculus III</td>
<td><strong>POLS 1336</strong> U.S. &amp; Texas Constitutions &amp; Politics</td>
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<tbody>
<tr>
<td>3</td>
<td><strong>POLS 1337</strong> U.S. Government</td>
<td><strong>CORE</strong> Creative Arts</td>
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<td><strong>INDE 3382</strong> Stochastic Models</td>
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<td><strong>INDE 3310</strong> Quality Control</td>
<td><strong>INDE 4369</strong> Facilities Planning &amp; Design</td>
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<td><strong>INDE 3432</strong> Manufacturing Processes</td>
<td><strong>INDE 3362</strong> CAD / CAM</td>
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<tr>
<td>4</td>
<td><strong>CORE</strong> Social &amp; Behavioral Sciences</td>
<td><strong>INDE 4315</strong> Supply Chain Management</td>
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<td><strong>INDE 4370</strong> Discrete Event Simulation</td>
<td><strong>INDE 4372</strong> Operation Control</td>
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<td><strong>INDE 4111</strong> Industrial Engineering Seminar</td>
<td><strong>INDE 4337</strong> Human Factors &amp; Ergonomics</td>
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<td><strong>INDE 4320</strong> Computer Integrated Manufacture</td>
<td><strong>INDE 4334</strong> Engineering Systems Design</td>
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<td><strong>ECE 3336</strong> Intro to Circuits &amp; Electronics</td>
<td><strong>Tech Elective</strong> Technical Elective</td>
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<td><strong>ENGI 2334</strong> Intro to Thermodynamics</td>
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*Students should meet with their academic advisor to formulate their own plan.*