### BS in Industrial Engineering
#### 4 Year Plan (2015-2016)

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Eng 1301 College Reading &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Hist 1301 US History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>IT 111 Computer-Aided Design</td>
<td>3</td>
</tr>
<tr>
<td>Math 2413 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>IE 101 Introduction to Industrial Engineering</td>
<td>3</td>
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<tr>
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<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Phys 2425 University Physics I</td>
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<tr>
<td>IE 201 Computing for Engineers</td>
<td>3</td>
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<tr>
<td>Math 315 Differential Equations</td>
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<tr>
<td>CSCI 151 Programming Fundamentals</td>
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<tr>
<td>Psci 2301 Principles of US &amp; Tx Gov</td>
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<tbody>
<tr>
<td>IE 312 Industrial Operations Research I</td>
<td>3</td>
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<tr>
<td>IT 340 Quality Management &amp; Improvement</td>
<td>3</td>
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<tr>
<td>ConE 231 Construction Estimating</td>
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<tr>
<td>Eco 2301 Principle of Macro Econ OR</td>
<td>3</td>
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<tr>
<td>Eco 2302 Principle of Micro Econ</td>
<td>3</td>
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<tr>
<td>Spc 1315 Fundamentals of Speech OR</td>
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<tr>
<td>Spc 1321 Business &amp; Prof Speaking</td>
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**Spring Semester**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Eng 1302 Written Argument &amp; Research</td>
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<tr>
<td>Hist 1302 US History from 1865</td>
<td>3</td>
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<tr>
<td>Chem 1411 Gen &amp; Quantitative Chemistry</td>
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<tr>
<td>IT 112 Product Design &amp; Development</td>
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<tr>
<td>Math 192 Calculus II</td>
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<tr>
<td>Phys 2426 University Physics II</td>
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<tr>
<td>IE 207 Engineering Economic Analysis</td>
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<tr>
<td>IE 211 Engineering Prob &amp; Statistics</td>
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<td>MATH 335 Linear Algebra</td>
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<tr>
<td>Psci 2302 US &amp; Tx Gov Inst &amp; Policies</td>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>IE 305 Facilities Planning &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>IE 313 Industrial Operations Research II</td>
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<tr>
<td>IE 314 Statistical Quality Control</td>
<td>3</td>
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<tr>
<td>IE 318 Analysis of Production Systems</td>
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<tr>
<td>IE 410 Systems Simulations</td>
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<tbody>
<tr>
<td>IE 411 Engineering Management</td>
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<tr>
<td>IE 431 Principle of Programmable Automations</td>
<td>3</td>
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<tr>
<td>IE 403 Human Factors Engineering</td>
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<tr>
<td>IE 409 Manufacturing Systems Design</td>
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<tr>
<td>IE 471 Planning for Industrial Systems design</td>
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<tbody>
<tr>
<td>IE 444 Systems Engineering</td>
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<tr>
<td>IE 486 Service Systems Analysis</td>
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<tr>
<td>IE 495 Industrial Systems Design</td>
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<tr>
<td>Elective: US Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Elective: Visula/Performance Arts</td>
<td>3</td>
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