# Engineering Dual Degree Requirements

**Computer Engineering & Science, Technology and Society**

<table>
<thead>
<tr>
<th>University Core Curriculum</th>
<th>Common Core Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>FYS 102</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GHS 201-209</td>
<td>Global and Historical Studies</td>
<td>3</td>
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<td>Global and Historical Studies</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>General Core Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TI Text and Ideas</td>
<td>3</td>
</tr>
<tr>
<td>PCA Perspectives in the Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>SW The Social World (exempt)</td>
<td>3</td>
</tr>
<tr>
<td>AR Analytical Reasoning (exempt)</td>
<td>3</td>
</tr>
<tr>
<td>NW The Natural World (exempt)</td>
<td>5</td>
</tr>
<tr>
<td>PWB Physical Well-Being</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Additional Core Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCR Butler Cultural Requirement</td>
<td>8 events</td>
</tr>
<tr>
<td>ICR Indianapolis Community Requirement</td>
<td>1 course</td>
</tr>
<tr>
<td>SAC Speaking Across the Curriculum</td>
<td>1 course</td>
</tr>
<tr>
<td>WAC Writing Across the Curriculum</td>
<td>1 course</td>
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<table>
<thead>
<tr>
<th>Liberal Arts and Science Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language (min 6 cr 200 level or above)</td>
<td>6-14</td>
</tr>
<tr>
<td>Spanish, French, German, Chinese, Latin</td>
<td></td>
</tr>
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</table>

**Common Engineering Requirements**

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MA 106</td>
<td>Calculus &amp; Analytical Geometry 1</td>
</tr>
<tr>
<td>MA 107</td>
<td>Calculus &amp; Analytical Geometry 2</td>
</tr>
<tr>
<td>MA 208</td>
<td>Calculus &amp; Analytical Geometry 3</td>
</tr>
<tr>
<td>MA 215</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MA 334</td>
<td>Differential Equations</td>
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**Science**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>CH 105</td>
</tr>
<tr>
<td>CH 106</td>
</tr>
<tr>
<td>PH 201</td>
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<tr>
<td>PH 202</td>
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**Engineering**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DD 190</td>
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<tr>
<td>DD 297</td>
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<td>CS 142</td>
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**Other**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COM 101</td>
</tr>
<tr>
<td>TCM 250</td>
</tr>
<tr>
<td>TCM 360</td>
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<tr>
<td>ENGR 200</td>
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**Computer Engineering**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>ECON 201</td>
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<tr>
<td>PH 351</td>
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<tr>
<td>ECE 202</td>
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<tr>
<td>ECE 210</td>
</tr>
<tr>
<td>ECE 264</td>
</tr>
<tr>
<td>ECE 270</td>
</tr>
<tr>
<td>ECE 282</td>
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<tr>
<td>ECE 301</td>
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<tr>
<td>ECE 302</td>
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<tr>
<td>ECE 362</td>
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<tr>
<td>ECE 365</td>
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<tr>
<td>ECE 401</td>
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<tr>
<td>ECE 408</td>
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<tr>
<td>ECE 487</td>
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<tr>
<td>ECE 488</td>
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<tr>
<td>CSCI 240</td>
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<tr>
<td>CSCI 340</td>
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<tr>
<td>CSCI 362</td>
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**Advanced CmpE Electives**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGR 200</td>
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**Electives**

<table>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENGR 200</td>
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<table>
<thead>
<tr>
<th><strong>Core Credits</strong></th>
<th>19(30)</th>
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</thead>
<tbody>
<tr>
<td><strong>Total Credits</strong></td>
<td>168 - 176</td>
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</tbody>
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1. SW 220-EC used as equivalents for degree requirements