# Ph.D. in Mechanical Engineering

## Prerequisites:
M.S. Degree (engineering) including the following (or equal). (May be taken as part of PhD program.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME EN 6100</td>
<td>Ergonomics</td>
<td>3</td>
</tr>
<tr>
<td>ME EN 6110</td>
<td>Introduction to Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>FP MD 6100</td>
<td>Biostatistics I</td>
<td>3</td>
</tr>
<tr>
<td>FP MD 6370</td>
<td>Introduction to Occupational Epidemiology</td>
<td>3</td>
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</table>

Subtotal program prerequisite credits: 12

## Program Requirements:

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<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FP MD 7100</td>
<td>Biostatistics II</td>
<td>3</td>
</tr>
<tr>
<td>FP MD 7300</td>
<td>Epidemiology II</td>
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<tr>
<td>FP MD 7720</td>
<td>Occupational Injury Epidemiology</td>
<td>3</td>
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<tr>
<td>ME EN 6960</td>
<td>Experimental Design and Analysis for Engineering Systems</td>
<td>3</td>
</tr>
<tr>
<td>ME EN 6960</td>
<td>Introduction to Product Safety</td>
<td>3</td>
</tr>
<tr>
<td>ME EN 7100</td>
<td>Advanced Ergonomics and Occupational Biomechanics</td>
<td>3</td>
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<tr>
<td>ME EN 7110</td>
<td>System Safety</td>
<td>3</td>
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<tr>
<td>ME EN 6140</td>
<td>Occupational Safety and Health Solutions</td>
<td>3</td>
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<tr>
<td>ME EN 6960</td>
<td>Work Physiology and Occupational Heat Stress</td>
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<tr>
<td>ME EN xxxx</td>
<td>Electives</td>
<td>3</td>
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**Subtotal Course Hours**: 29

<table>
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<th>Course No.</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ME 7970</td>
<td>Dissertation Hours</td>
<td>14</td>
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</tbody>
</table>

**Total Semester Hours**: 55