# Mechanical Engineering Minor

Admission to the Joint Engineering program is required. A minimum of 19 credit hours in Joint Mechanical Engineering and Engineering courses are required.

## Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 2310</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2320</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>J M ENGR 2410</td>
<td>Mechanics of Deformable Bodies</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose at least one of the following four options for an additional 10 credit hours:

### Option 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J M ENGR 3250</td>
<td>Material Science for J M ENGR</td>
</tr>
<tr>
<td>Any other two J M ENGR courses for 6 credit hours</td>
<td></td>
</tr>
</tbody>
</table>

### Option 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J M ENGR 3200</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>J M ENGR 3700</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>J M ENGR 3710</td>
<td>Principles of Heat Transfer</td>
</tr>
<tr>
<td>J M ENGR 3721</td>
<td>Fluid Mechanics Laboratory</td>
</tr>
<tr>
<td>or J M ENGR 3722</td>
<td>Heat Transfer Laboratory</td>
</tr>
</tbody>
</table>

### Option 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J M ENGR 3200</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>J M ENGR 3700</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>J M ENGR 3710</td>
<td>Principles of Heat Transfer</td>
</tr>
<tr>
<td>J M ENGR 3721</td>
<td>Fluid Mechanics Laboratory</td>
</tr>
<tr>
<td>or J M ENGR 3722</td>
<td>Heat Transfer Laboratory</td>
</tr>
</tbody>
</table>

### Option 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J M ENGR 4170</td>
<td>Dynamic Response of Physical Systems</td>
</tr>
<tr>
<td>J M ENGR 4180</td>
<td>Dynamic Response Laboratory</td>
</tr>
<tr>
<td>Any other J M ENGR course for 7 credit hours</td>
<td></td>
</tr>
</tbody>
</table>

## Total Hours 19