MECHANICAL ENGINEERING MINOR

https://ceps.unh.edu/mechanical-engineering/program/minor/mechanical-engineering

Description

The minor, administered by the Department of Mechanical Engineering, is open to all students of the University and offers a broad introduction to mechanical engineering.

Requirements

Students must complete a minimum of six courses as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 441</td>
<td>Introduction to Engineering Design and Solid Modeling</td>
<td>4</td>
</tr>
<tr>
<td>ME 503</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 525</td>
<td>Statics</td>
<td>4</td>
</tr>
<tr>
<td>ME 526</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ME 627</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 608</td>
<td>Fluid Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

Electrical and Computer Engineering majors should take the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 477</td>
<td>Introduction to Solid Modeling</td>
<td>1</td>
</tr>
<tr>
<td>ECE 633</td>
<td>Signals and Systems I</td>
<td>3</td>
</tr>
<tr>
<td>ECE 634</td>
<td>Signals and Systems II</td>
<td>3</td>
</tr>
<tr>
<td>ME 503</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 525</td>
<td>Statics</td>
<td>4</td>
</tr>
<tr>
<td>ME 561</td>
<td>Introduction to Materials Science</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME 526</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ME 608</td>
<td>Fluid Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ME 627</td>
<td>Dynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

1 ECE Major Required Courses.

The total number of credits required is 21.

Physics majors should take the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 508</td>
<td>Thermodynamics and Statistical Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 615</td>
<td>Classical Mechanics and Mathematical Physics</td>
<td>4</td>
</tr>
<tr>
<td>ME 477</td>
<td>Introduction to Solid Modeling</td>
<td>1</td>
</tr>
<tr>
<td>ME 526</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ME 608</td>
<td>Fluid Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME 643</td>
<td>Machine Design</td>
<td>3</td>
</tr>
<tr>
<td>ME 670</td>
<td>Systems Modeling, Simulation, and Control</td>
<td>4</td>
</tr>
<tr>
<td>ME 705</td>
<td>Thermal System Analysis and Design</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Physics Major Required Courses.

The total number of credits to complete the Physics Minor will be either 18 or 19 depending on what course is selected.

Interested students should contact the Mechanical Engineering Chair at (603) 862-1353 and file an intent to minor form. During the last semester, students must complete a completion of minor form for it to appear on their transcript.