ANALYSIS, DESIGN AND MANAGEMENT OF ENERGY CONVERSION SYSTEMS - MINOR

The objectives of the Mechanical Engineering minor-Analysis, Design and Management of Energy Conversion Systems- are to expand the working knowledge of mechanical engineering principles to broader engineering activities and to provide non-MEEN students with a specialized aspect of mechanical engineering to enhance their skillset and capabilities within their discipline-specific field. Candidates for a Mechanical Engineering minor must be high-achieving in their own discipline, with a minimum GPA of 3.5. Students may apply for the minor as early as their fourth semester of college but before their seventh semester of college.

Students are responsible for the satisfying course pre-requisites (C or better) which may or may not apply toward the minor or the student's major degree.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEEN 344</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 421</td>
<td>Thermal-Fluids Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 461</td>
<td>Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>Select two from the following:</td>
<td>6</td>
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<tr>
<td>MEEN 410</td>
<td>Internal Combustion Engines</td>
<td></td>
</tr>
<tr>
<td>MEEN 436</td>
<td>Principles of Heating, Ventilating and Air Conditioning</td>
<td></td>
</tr>
<tr>
<td>MEEN 437</td>
<td>Principles of Building Energy Analysis</td>
<td></td>
</tr>
<tr>
<td>MEEN 472</td>
<td>Gas Dynamics</td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 15

Minimum of 6 hours at 300- to 400-level.

3.5 minimum overall GPA.

Prerequisites of required and elective courses must have a grade of 'C' or better even if not counting toward degree or minor.