MINOR IN MECHANICAL ENGINEERING

A student in the College of Arts and Sciences choosing the general field of mechanical engineering as a minor must complete 15 credit hours consisting of the following:

<table>
<thead>
<tr>
<th>Core Courses</th>
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<tbody>
<tr>
<td>CAE 210</td>
<td>Mechanics of Solids I 3</td>
</tr>
<tr>
<td>MAE 111</td>
<td>Introduction to Engineering I 3</td>
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<table>
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<tr>
<th>Elective Courses</th>
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<td>Select 9 credit hours from one of the following areas of specialization: 9</td>
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**Energy Engineering:**
- MAE 303 Thermodynamics I
- MAE 420 Applied Thermodynamics
- MAE 503 Internal Combustion Engines
- MAE 506 Nuclear Engineering
- MAE 510 Fundamentals of Solar Energy Utilization

**Environmental Engineering:**
- MAE 303 Thermodynamics I
- MAE 309 Fluid Mechanics
- MAE 408 Heating, Ventilating, and Air Conditioning
- MAE 510 Fundamentals of Solar Energy Utilization
- MAE 521 Exhaust Emission Control

**Materials Engineering:**
- MAE 207 Mechanics of Solids II
- MAE 301 Engineering Materials Science
- MAE 302 Mechanical Behavior Of Materials
- MAE 507 Advanced Mechanics of Solids

**Thermal Engineering:**
- MAE 303 Thermodynamics I
- MAE 310 Heat Transfer
- MAE 408 Heating, Ventilating, and Air Conditioning
- MAE 420 Applied Thermodynamics
- MAE 441 Design of Fluid and Thermal Systems
- MAE 503 Internal Combustion Engines
- MAE 508 Intermediate Heat Transfer
- MAE 510 Fundamentals of Solar Energy Utilization

**Total Credit Hours** 15