MASTER OF ENGINEERING IN MANUFACTURING ENGINEERING VIA INTERNET

The Master of Engineering in Manufacturing Engineering via Internet is a course-only, professionally oriented degree program that requires a minimum of 30 credit hours. There is no thesis or comprehensive examination requirement. The student, in consultation with the academic adviser, prepares a program reflecting individual needs and interests. All courses are administered online.

### Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMAE 545</td>
<td>Advanced CAD/CAM</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 546</td>
<td>Advanced Manufacturing Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 560</td>
<td>Statistical Quality and Process Control</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 547</td>
<td>Computer-Integrated Manufacturing Technologies</td>
<td>3</td>
</tr>
<tr>
<td>or MMAE 557</td>
<td>Computer-Integrated Manufacturing Systems</td>
<td></td>
</tr>
<tr>
<td>MMAE 563</td>
<td>Advanced Mechanical Metallurgy (materials course)</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 704</td>
<td>Introduction to Finite Element Analysis (numerical methods)</td>
<td>2</td>
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<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>30</strong></td>
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</table>

**Required Courses (17)**

**Elective Courses (13)**

Select a minimum of 13 credit hours from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMAE 433</td>
<td>Design of Thermal Systems</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 445</td>
<td>Computer-Aided Design</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 540</td>
<td>Robotics</td>
<td>3</td>
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<tr>
<td>MMAE 557</td>
<td>Computer-Integrated Manufacturing Systems</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 589</td>
<td>Applications in Reliability Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 590</td>
<td>Applications in Reliability Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>MMAE 715</td>
<td>Project Management</td>
<td>2</td>
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