# MS in Applied Manufacturing Engineering

https://una.edu/engineeringtechnology/graduate/

## Typical Schedule

### Year 1

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course No.</th>
<th>Course Name</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall I</td>
<td>ENMF 600</td>
<td>Applied Engineering Programming</td>
<td>-</td>
</tr>
<tr>
<td>Fall II</td>
<td>ENMF 602</td>
<td>Advanced Applied Engineering Mathematics</td>
<td>-</td>
</tr>
<tr>
<td>Spring I</td>
<td>ENMF 603</td>
<td>Advanced Engineering Principles</td>
<td>ENMF 600, ENMF 602</td>
</tr>
<tr>
<td>Spring II</td>
<td>ENMF 506</td>
<td>Quality Management and Six Sigma</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Summer I and II
(Choose 2 courses from list to the right)

- ENMF 605 3D Modeling for Manufacturing Industries
- ENMF 607 Advanced Applied Chemical Process Engineering
- ENMF 604 Precision Control and Automated Manufacturing
- ENMF 606 Bio-Engineered Products

ENMF 603 for all

### Year 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course No.</th>
<th>Course Name</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall I</td>
<td>ENMF 609</td>
<td>Preventative Maintenance &amp; Reliability Engineering</td>
<td>ENMF 602</td>
</tr>
<tr>
<td>Fall II</td>
<td>ENMF 608</td>
<td>Manufacturing Systems Design and Economics</td>
<td>ENMF 603</td>
</tr>
</tbody>
</table>

#### Spring (Full)
(Choose 1 course from list to the right)

- MG 585 Project Management (Also Offered Fall)
- MG 670 Developing High Performance Teams (Also Offered Spring/8-week Summer)
- CIS 644 Business Process Integration with ERP Systems (Spring Only)

#### Spring II or Summer

- ENMF 610 Engineering Analysis and Simulation

ENMF 603

All Classes – 3 credits each.

Total: 30 credit hours

Note: Class availability is subject to change and demand. Users should refer to the Graduate Catalog for details found at https://catalog.una.edu/graduate.

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Always courses available every semester – no need to wait to start your MS degree in the fall.