Technology- M.T.E.C. Program Requirements
Specialization in Quality Systems

PROGRAM REQUIREMENTS (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 57010</td>
<td>Ethics, Technology and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>TECH 60000</td>
<td>Project Management in a Technological Environment</td>
<td>3</td>
</tr>
<tr>
<td>TECH 60001</td>
<td>Quantitative Methods in Technology</td>
<td>3</td>
</tr>
<tr>
<td>TECH 60078</td>
<td>Research Methods in Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

ADDITIONAL PROGRAM REQUIREMENTS (21 credits)

(see below) 21

MINIMUM TOTAL 33

A minimum of 15 credit hours of coursework should be taken from the following list:

- TECH 50000 - Quality Standards
- TECH 53800 - Applied Engineering Technology Seminar
- TECH 60003 - Six-Sigma: Tools and Applications for Technology Management
- TECH 63050 - TRIZ-Theory of Inventive Problem Solving
- TECH 63870 - Facility Design and Material Handling
- TECH 65400 - Evaluating Quality Systems Through Process Control
- TECH 65500 - Quality Systems and Industrial Productivity
- TECH 65550 - Design and Analysis of Experiments in Technology
- TECH 65700 - Applied Reliability Engineering
- TECH 65800 - Burn-In/Stress Testing for Reliability

Additional Program Requirements/Limitations

- A cumulative graduate GPA of 3.00 is required for graduation.
- A minimum of 21 credit hours of coursework must be taken in TECH or AERN courses.
- A minimum of 18 credit hours in 60000-level or above coursework is required.
- A maximum of 4 credit hours of Workshop coursework may be used to satisfy the degree requirements.
- A maximum of 9 credit hours in Technology Individual Investigation coursework may be used to satisfy the degree requirements.
- A total of 6 credits for thesis (TECH 61199: Thesis I) will be counted if the thesis option is chosen.