# Technology - M.T.E.C. Program Requirements

Specialization in Computer Engineering Technology, Networking Option

## 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)  

<table>
<thead>
<tr>
<th></th>
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<th>21</th>
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<tbody>
<tr>
<td><strong>MINIMUM TOTAL</strong></td>
<td></td>
<td>33</td>
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</tbody>
</table>

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

- TECH 56312 - Wireless Network and Telecommunication Systems
- TECH 56350 - Network Management and Design Technology
- TECH 56411 - Requirements Engineering and Analysis Technology
- TECH 64312 - Advanced Wireless Telecommunication System and Network Technologies
- TECH 66350 - Advanced Network Management and Design Technology
- TECH 66380 - Advanced Networking
- TECH 66411 - Wireless and Telecommunication Systems Requirements Engineering

Additional Program Requirements/Limitations

- A cumulative graduate GPA of 3.00 is required for graduation.
- A minimum of 18 credit hours in 60000-level or above coursework is required.
- A minimum of 21 credit hours of coursework must be taken in AERN, CMGT or TECH courses.
- 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 maximum of 12 semester credit hours may be accepted as transfer credits and applied toward degree requirements.
- A total of 6 credits for thesis (TECH 61199: Thesis I) will be counted if the thesis option is chosen.

Students are required to select the thesis or non-thesis option. The thesis option, recommended for students interested in research and development, allows students to acquire an in-depth knowledge of a narrowly-defined technical area of interest. The non-thesis option is suggested for students who seek a more general curriculum of advanced technical coursework. Those students who choose the thesis option must successfully complete TECH 61199 - Thesis 1 for a total of 6 credit hours.