Technology- M.T.E.C. Program Requirements
Specialization in Computer Engineering Technology, General Option

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<th>PROGRAM REQUIREMENTS (12 credits)</th>
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<td>TECH 57010</td>
<td>Ethics, Technology and the Environment</td>
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<td>TECH 60000</td>
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**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 53026 - Introduction to Microprocessors
- TECH 53221 - Digital Control Systems and Instrumentation
- TECH 53222 - Computer Hardware Engineering and Architecture
- TECH 56312 - Wireless Network and Telecommunication Systems
- TECH 56330 - Visual Basic Programming In Engineering Technology
- TECH 56350 - Network Management and Design Technology
- TECH 56411 - Requirements Engineering and Analysis Technology
- TECH 63010 - Computer Hardware
- TECH 63020 - Fiber Optic Systems
- TECH 63031 - Programmable Logic Controllers
- TECH 63032 - Advanced Programmable Logic Controllers
- TECH 63040 - Electronic Communications
- TECH 63070 - Computer Hardware Design and Integration
- TECH 64095 - Special Topics in Computer Engineering 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.