

Master of Technology Specialization in Computer Engineering Technology - General Option

PROGRAM REQUIREMENTS (12 credits)		
Course	Title	Credits
TECH 57010	Ethics, Technology and the Environment	3
TECH 60000*	Project Management in a Technological Environment	3
TECH 60001	Quantitative Methods in Technology	3
TECH 60078	Research Methods in Technology	3
ADDITIONAL PROGRAM REQUIREMENTS (21 credits)		
(see below)		21
MINIMUM TOTAL		33

*Some of the required courses include special course fees. These courses include, but are not limited to, TECH 60000. Please refer to the University Fee Register for the full listing of Special Course Fees at www.kent.edu/bursar.

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

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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.