

The Mission is on Leadership:

The graduate program in Technology prepares students to become successful leaders in today's technological and global environment. The program is designed to provide students with opportunities for developing advanced professional, technical, and personal competencies in the field of technology. It enables students to identify, develop, and implement quality strategies and practices in contemporary organizations. Additionally, students enhance their research and communication skills necessary for technological leadership. They also gain an appreciation of ethical and social implications of technology related to a global and technological society.

Graduates Enjoy Successful Careers:

Many graduates from the program enjoy their successful careers as part of management teams in various organizations. Typical positions held by former graduates include production manager, manufacturing engineer, quality assurance engineer, quality manager/director, industrial designer, plant manager, employment manager, program development coordinator, training coordinator/director, training consultant/specialist, human resources manager, career and technology education teacher, school librarian, and technology director/coordinator. Graduates work effectively in companies of various sizes, including Boeing, Caterpillar, Ingersoll-Rand, Agri-Fab, Carle Hospital, Amdoc, University of Illinois, Eastern Illinois University and many other industrial, educational, or services organizations.

High Quality Degree Program Promotes Excellence:

The degree program, Master of Science in Technology, requires a total of 32 credit hours of course work for the non thesis option and 30 hours for the thesis option. All students in MS in Technology are required to complete the following core courses:

TEC 5103--Science and Technology of Leadership
TEC 5133--Total Quality Systems
TEC 5143--Research in Technology
TEC 5173--Global Technology

Typical full time students complete their degree programs in one year. Most working students finish their degree requirements in about 2 to 3 years. The degree program provides students with the following opportunities for their area of study based upon their needs and interests:

Areas of Study:

[Technology Management](#)

The graduate program in Technology prepares students to become successful leaders in today's technological and global environment. Study in Technology Management is suitable for students who desire to be part of effective management team in industrial related organizations. The program offers the ideal blend of technical knowledge and management principles needed for effective leadership.

[Career and Technical Education](#)

The graduate program in Technology prepares students for successful leadership in today's technological and global environment. Study in Career and Technical Education is designed for the excellence in learning and education in the areas of Business Education, Family and Consumer Science Education, or Technology Education.

[Training and Development](#)

The graduate program in Technology prepares students to become more effective leaders in today's technological and global environment. Effective leaders help people perform at a level that can improve an entire organization. Study in Training and Development is suitable for students who aspire to be a part of performance improvement teams in industry and business.

[Computer Technology](#)

The graduate program in Technology prepares students to become more effective leaders in today's technological and global environment. Study in Computer Technology provides students with knowledge and skills in current computer technology. Key areas include data communications and

networking technology, advanced database technology, multimedia and web technology, management of computer technology, data acquisition, industrial system simulation, advanced computer integrated manufacturing, automatic identification, and other applications of computer technology.

Graduate Certificate Programs:

Quality Systems:

This graduate certificate program is designed to provide graduate students and professionals working in industry and business with focused course work leading to improvement in the quality of products and services to help companies become more competitive in the global market. This certificate program requires 18 semester hours of course work.

Work Performance Improvement:

This graduate certificate program is designed to meet the needs of graduate students as well as training and development practitioners to have their educational preparation in the field of human performance improvement officially endorsed. The certificate in Work Performance Improvement will demonstrate that recipients possess the knowledge and skills needed for work performance consulting and training. This certificate program requires 18 semester hours of course work.

Computer Technology:

The graduate certificate program is designed to provide graduate students and professionals working in various organizations with course work focused on current state-of-the-art computer technology. Key areas include data communications and networking technology, database technology, multimedia and web technology, management of computer technology, and applications of computer technology. Those areas were identified by employers as the most demanded skills in the new Internet economy. This certificate program requires 18 semester hours of course work.

Technology Security

The graduate certificate program in Technology Security is designed to provide graduate students and professionals working in industry and business with focused course work on technology security including facility security, network and database security, as well as management policies on security of technological systems. The program will help prepare the workforce in Illinois to be knowledgeable and competitive in the security profession and the security market.

Thesis Option:

The thesis option for the Master of Science in Technology degree requires 30 semester hours of credit, including the four core classes mentioned previously, 12 hours of coursework, and six hours of thesis work. The 12 hours of coursework may be elected from the following areas of study: Technology Management, Training and Development, Career and Technical Education, or Computer Technology.

Non Thesis Option:

The non thesis option for the Master of Science in Technology degree requires 32 semester hours of credit, including the four core classes mentioned previously. The remaining 20 hours can be elected from the following areas of study: Technology Management, Training and Development, Career and Technical Education, or Computer Technology.

Certification of Comprehensive Knowledge

In addition to the semester hour requirements, candidates on non thesis option are required to successfully obtain a certification of comprehensive knowledge during Spring or Fall semester when they expect to graduate with the degree. The certification requires the student to conduct a one-hour independent study under the direct supervision of a graduate faculty, in order to complete a written report and an oral presentation.

Thesis option candidates will receive the certification after they successfully complete and defend their thesis.

Graduate Assistantships & Research Assistantships:

Limited graduate assistantships and research assistantships are available for a semester or academic year. Assistantships provide tuition waivers for two semesters and one summer term, and access to laboratories, computer systems, and offices. Graduate assistants monitor open laboratories, assist professors with classroom and laboratory duties, assist undergraduate students with laboratory assignments, conduct research in specific areas, and other similar responsibilities. The School of Technology's laboratories include: Computer Integrated Manufacturing, Production, Automation and Control, Scanning Electron Microscope, Materials Testing, Graphic Communication, Robotics, Construction, and Polymers.

Persons interested in taking classes, whether for degree credit or as a one-time enrollment, must have a baccalaureate degree from an accredited institution and must have submitted an application to the Graduate School at Eastern Illinois University.

For further information about the Graduate Programs in Technology or classes, call or write:

Graduate Coordinator
School of Technology
Eastern Illinois University
600 Lincoln Avenue
Charleston, Illinois 61920-3099
217.581.6267

Graduate School
Eastern Illinois University
600 Lincoln Avenue
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