Why a master's degree in Technology Management?

The Master of Technology Management (MTM), with a specialization in Engineering Technology (ENGT), program blends technology with the fields of manufacturing, engineering, and management to prepare students to work in the Era of Technology. The goal of the MTM-ENGT is to provide students with advanced skills and technical knowledge to solve the complex problems faced by the industry. Individuals develop the ability to conduct applied research, along with leadership skill for managing and directing projects.

Why an MTM-ENGT at Bowling Green State University?

The BGSU College of Technology offers an array of graduate programs geared to prepare professionals for some of today's most in-demand, emerging job markets. Our faculty is made up of recognized leaders in their respective fields, providing highly personalized attention within a learner-centered environment. This strong mentoring community strikes just the right balance of the most current, relevant theory with hands-on, practical knowledge that prepares our graduates to succeed in a rapidly evolving, global environment.

Learning outcomes

Students who complete the MTM-ENGT program will be able to:

• Demonstrate the critical skills necessary in project management and leadership
• Justify investment decisions through advanced engineering economic analytical skills
• Perform data analysis and synthesis
• Effectively communicate through technical writing and oral communication skills
• Solve complex problems using contemporary knowledge (sustainability, automation, lean, advanced manufacturing, etc.)
• Integrate core competencies to solve real world problems in their domain through research

FOR MORE INFORMATION

Contact Chair and Professor, Dr. MD Sarder, College of Technology, Architecture and Applied Engineering at msarder@bgsu.edu or call 419-372-6085
Visit www.bgsu.edu/gradtech

Program strength and uniqueness

• Degree can be completed online or in-person
• Year-round open enrollment
• Variety of courses provides students to tailor their degree to their interests
• Incorporates contemporary knowledge of renewable energy, sustainability, and advanced manufacturing fields
• Technical skills in technology management, project management, and data analysis
• Soft skills in decision making and leadership
• Highly qualified faculty with significant industry experience
• Hands-on experience with potential internship opportunities

Professional opportunities

MTM-ENGT graduates enjoy consistently high job placement rates and typically find positions such as Engineering Manager, Industrial Engineer, Plant Manager, Engineering Systems Integrator, Process Development Manager, Research and Development Manager, Applications Engineering Manager, Software/Automation Engineer, and Engineering Operations Manager. Our graduates work for a variety of companies such as Cooper Standard, Emerson, General Electric, Honda, Johns Manville, Pilkington, Chrysler, Dana, Ford, General Motors, and Owens Illinois.

“IT gives me great pleasure to say with pride that I have completed my graduate studies from BGSU - College of Technology, Architecture and Applied Engineering. The relationship between faculty and students is very cordial, which gave me an opportunity to excel in my area of interest. My stay at BGSU was splendid and has helped me to grow professionally and personally.”

— Rama Krishna Pinnoju, ’17
Quality Engineer, Knorr Brake Company
Admission requirements

The MTM-ENGT is an interdisciplinary program. Applicants may apply to enter the program at the beginning of any semester and must have a bachelor’s degree in an engineering, technology, applied sciences, or related academic field.

Applicants must have a minimum undergraduate GPA of at least 2.75 on a 4.0 scale (or its equivalent) for regular status admission. Applicants are required to submit scanned copies of official or unofficial transcripts from all institutions attended. Upon admission, final official or notarized copies of transcripts from all institutions where degrees were earned and diplomas from international institutions must be submitted. They are also required to submit official scores from the Graduate Record Examination (GRE).

It is also strongly recommended that applicants submit a statement of purpose, a current professional resume and a letter of recommendation from an individual with knowledge of the applicant’s qualifications and ability to successfully complete graduate study.

International applicants are also required to submit scores from the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS).

Cost of tuition

Please refer to www.bgsu.edu/offices/bursar for the most recent information on tuition and fees.

Financial assistance

A limited number of graduate assistantships and scholarships are available for full-time students on a competitive basis. For more information, please contact the department.

Domestic students enrolled in four (4) or more credit hours are eligible to apply for financial aid using the Free Application for Federal Student Aid (FAFSA) to calculate student contribution and financial need. You may apply online at www.fafsa.ed.gov.

How to apply

Visit the BGSU Graduate College website at www.bgsu.edu/graduate/admissions.

Students may enter the program at the beginning of any semester with open enrollment. The deadline for completed applications is two weeks prior to the start of the term. Applications are reviewed on a rolling basis as soon as supporting materials have been received.

International students are strongly encouraged to apply at least 4-5 months prior to the start of the semester.

Application deadline (w/ funding), fall term: April 15

Curriculum

A total of 33 credit hours of coursework at the graduate level are required.

Program Core (6 hours)
- TECH 6200 Project Management in Applied Engineering
- TECH 6440 Engineering Economics and Technical Strategic Management

Business Operations (6 hours)
- TECH 6030 or STAT 6010 Data Analysis and Decision Making
And one of the following:
- TECH 6500 Sustainability, or
- QS 6160 Quality Culture Assessment

Engineering Technology Concentration (12 hours)
- ECT 5410 Instrumentation
- ECT 5530 Digital Computer for Process Control
- ECT 5860 Digital Communication and Networking
- QS 5270 Quality Systems Planning
- QS 6160 Quality Culture Assessment
- QS 6260 Six Sigma Systems Analysis
- QS 6270 Lean Systems Analysis
- TECH 6040 Technology of Concurrent Engineering
- TECH 6280 Computer Automated Manufacturing
- TECH 6800 Seminar in Technology
- TECH 6820/6830 Topics in Technology
- TECH 6840/6850 Readings and Problems in Technology
- TECH 6880/6890 Graduate Internship
- TECH 6940/6950 Workshop in Technology

Synthesis (9 hours for Thesis or Project; 6 hours for Capstone)

Thesis
- TECH 6790 Research and Development in Technology
- TECH 6920 Research Proposal Development
- TECH 6990 Thesis Research

Project
- TECH 6790 Research and Development in Technology
- TECH 6910 Directed Research in Technology
- TECH 6920 Research Proposal Development

Capstone
- TECH 6790 Research and Development in Technology
- TECH 6960 Supervised Practicum in Applied Engineering