



MASTER'S PROGRAM IN ENGINEERING MANAGEMENT OR TECHNICAL MANAGEMENT

Practical Knowledge to Advance Your Career

Mercer University's Master of Science in Engineering (MSE) in Engineering Management and Master of Science (MS) in Technical Management offer students wishing to pursue upper management careers in technical industries an *excellent alternative to the traditional Master of Business Administration (MBA)*.

This unique program advances your technical and managerial skills simultaneously, increasing your career options and competitiveness in the workforce. The program is designed with working adults in mind, and classes are held once per week in the evenings to keep you on track in your career. The *interdisciplinary approach* and *collaborative learning environment* distinguish the program as one of the *premier technical management programs in the Southeast*.

ADVANCE YOUR TECHNICAL AND MANAGERIAL SKILLS

- Integrate management, business administration and technical courses
- Learn to make business decisions in a technical context
- Strengthen both management credentials and technical proficiencies
- Develop advanced problem-solving and decision-making capabilities
- Enhance effective communication in high-tech environments
- Gain valuable leadership and organizational skills
- Develop attitudes and skills necessary to achieve effective working relationships



"Mercer's graduate engineering management program provided me with a challenging curriculum, supportive faculty and a flexible course schedule. It gave me the knowledge and confidence to move easily into a management position within my company."

EVE TISON LONDON Trane

CUSTOMIZE THE CURRICULUM TO MATCH YOUR PERSONAL AND PROFESSIONAL INTERESTS

Choose coursework to build upon your undergraduate preparation.

- Choose up to twelve hours of electives from courses in the School of Engineering or the Stetson School of Business and Economics.

Follow the graduate degree path supported by your undergraduate degree.

- Earn an MSE degree in Engineering Management if you hold an undergraduate degree from an ABET accredited or equivalent engineering program
- Earn an MS degree in Technical Management if you hold an undergraduate degree in a discipline that emphasizes quantitative reasoning and analysis such as mathematics, physics, chemistry, biology, computer science, or economics.

Choose from two curriculum alternatives.

1. Delve into interdisciplinary topics in an all coursework option. (30 credits coursework)
2. Contribute to your field through graduate research via a faculty-directed thesis. (24 credits coursework and 6 credits thesis)

BENEFIT FROM A MULTITUDE OF CAREER OPPORTUNITIES

- Develop skills to thrive professionally in both the public and private sectors
- Pursue general management opportunities in a variety of industries
- Excel in leadership positions within technical companies
- Advance internally within your current company
- Launch your own company based upon a solid foundation in business and technical capabilities

ADD IMMEDIATE VALUE TO YOUR EMPLOYER

- Gain in-depth skills in advanced topics in your field
- Better evaluate the feasibility/logistics of technical ideas
- Assess company problems and opportunities from a business and engineering standpoint
- Make/ implement management decisions and formulate technical strategies
- Apply knowledge to increase business efficiency within your workplace
- Increase personal contributions to your department or team
- Take on greater leadership roles within your team and/or company

A GRADUATE DEGREE FOR THE PRACTICING PROFESSIONAL

- Attend evening courses taught once a week
- Learn from experienced faculty in face-to-face class settings
- Benefit from small class sizes and a high level of interaction between students and faculty
- Collaborate with a diverse group of professionals from a variety of engineering and technical backgrounds

COURSES DESIGNED FOR TECHNICAL MANAGERS, SUCH AS:

- Modeling and Simulation
- Economic Analysis for Managers
- Operations Research
- Manufacturing Management
- Quality Management
- Reliability and Maintainability



ALUMNI PERSPECTIVE

"Mercer's Engineering Management Program provided the education and expertise to effectively and efficiently manage professional employees who continue to provide quality engineering consulting services for government and industrial customers."

LISA EARLS Mercer Engineering Research Center

GRADUATE ADMISSIONS

General admission requirements:

- Submit a completed graduate application along with application fee
- Have an earned undergraduate GPA of 3.0 overall
- Submit GRE score on the general section of the test

Degree specific requirements:

- Hold a bachelor's degree or be earning a bachelor's degree from an ABET accredited or equivalent engineering program (for the MSE in Engineering Management) or in a discipline that emphasizes quantitative reasoning and analysis (for the MS in Technical Management).
- Have completed the following undergraduate courses*:
 - Mathematics through calculus
 - Calculus-based probability and statistics course
 - Computer programming
 - Economics

**Work experience may compensate for deficits in undergraduate preparation.*



SCHOOL OF ENGINEERING

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