

THE UNIVERSITY of TENNESSEE CHATTANOOGA

GRADUATE STUDIES

M.S. Engineering Management

M.S. ENGM: Construction Management

www.utc.edu/engm

- ◇ The Master of Science degree in Engineering Management is designed for people with engineering or science backgrounds who have moved or expect to move into managerial responsibilities. The program addresses important topics such as engineering economics and finance, quality control, reliability, project management and scheduling, decision making and optimization, leadership and entrepreneurship, product development and marketing, value management, and strategic management.
- ◇ Construction Management is the new graduate concentration in Engineering Management, which is designed for graduate students who are interested in construction and related areas.
- ◇ The graduate certificate programs offered in Engineering Management are: Fundamentals of Engineering Management, Project and Value Management, Quality Management, Leadership and Ethics, and Power Systems Management.

Program Requirements

Students are required to complete a minimum of 33 semester hours of prescribed courses for a master's degree in Engineering Management as well as Construction Management. The student's program is planned in consultation between the student and advisor. In some instances, prerequisite courses may be required.

The general course plan is as follows:

Core Courses

- Concepts in Engineering Management
- Technical Project Management
- Technical Entrepreneurship & Leadership
- Advanced Engineering Economy
- Strategic Management & Technology
- Capstone Project

Engineering Management Electives

- Decision Making & Optimization Techniques
- Legal and Ethical Perspectives in Engineering
- Reliability Engineering
- Quality Management Systems
- Advanced Quality Control
- Product Development
- Value Management
- Special Topics in Engineering Management: Supply Chain Management, Lean Systems, Ergonomics, etc.
- Graduate Internship in Engineering

Note: Electives can be taken in areas outside of engineering management, such as other engineering disciplines, science, or business.

Construction Management Electives

- Sustainability and LEED
- Construction Law: Contracts and Claims
- Strategic Bidding and Estimating
- Advanced Operations and Constructability
- Design and Construction of Tall Buildings
- Special Topics in Construction Management: Lean Construction Concepts and Methods, Construction Documents Technology, Service Learning Lab, etc.

Admission Requirements

- Hold a baccalaureate degree from a regionally accredited college or university or foreign equivalent
- Have a 2.7 GPA on a 4.0 scale or 3.0 in the senior year
- Submit official transcripts from each institution attended
- Submit a letter of recommendation from a senior manager or a professor
- Complete the Graduate School Application at www.utc.edu/GradSchool

Submit all application materials to the UTC Graduate School. Check the Graduate School website for application deadlines
www.utc.edu/GradSchool

Online Program

The graduate program is offered 100% online, which enables students to take courses at a time and place that fits their own schedules. The courses are delivered using a combination of Blackboard and the Mediasite System, which allows the instructor to broadcast the class both on a real-time basis and archive each lecture for later use.

Assistantships and Financial Aid

A limited number of assistantships are available. Interested students should contact The Graduate School Office for application materials or access these materials online.
www.utc.edu/GradSchool/AssistantshipsAndScholarships

Student Loans are also available apply online
www.utc.edu/FinancialAid/gradstudents

International Applicants

- Submit all application materials to the Office of International Student Services
- Have a minimum of 550 paper-based, or 213 computer-based, or 79 Internet-based TOEFL, or 6.0 on the IELTS
www.utc.edu/InternationalStudents

For more information:

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