Master of Science in Engineering Management

About This Program

The Master of Science in Engineering Management is a STEM program designed to introduce both engineering and business tools to engineering professionals who will be moving into leadership positions in product development, strategic planning, or managing the organization's technology resources. Graduates develop an understanding of how to use an organization's technical knowledge, skills, and abilities to meet their strategic objectives.

Competencies

1. Upon completion, students will demonstrate mastery of theoretical concepts in engineering management.
2. Upon completion, students will able to use techniques and tools important in engineering management.
3. Upon completion, students will appreciate the need for ethical and professional behavior.
4. Upon completion, students will be able to work and communicate effectively in teams.

Admissions Criteria

UNCONDITIONAL ADMISSION

Students demonstrating the following will be considered for unconditional admission.

- A GPA of at least 3.0 in the last 60 hours of undergraduate coursework.
- A GPA of at least 3.0 in all prior graduate work.
- A minimum score of 155 on the GRE Quantitative section and 146 on the GRE Verbal section.
- A minimum score of 79 on the TOEFL iBT, or a minimum score of 6.5 on the IELTS, if English is not the applicant's native language. International applicant's who have successfully completed a bachelors degree or masters degree from an institution in the United States, and are not seeking funding as a Graduate Teaching Assistant are not required to meet this requirement.
- A BS or MS in Engineering or Science.

Remedial course work may be required if an applicant does not have an engineering or science background.

GRE WAIVER

Applicants may submit the IMSE GRE Waiver Request form (https://common.forms.uta.edu/view.php?id=71616) as long as they meet all other admission criteria, they have graduated from an ABET accredited institution, and have a minimum of two years relevant work experience post-degree.

Curriculum

Foundations		
IE 5304	ADVANCED ENGINEERING ECONOMY	3
IE 5317	INTRODUCTION TO PROBABILITY AND STATISTICS	3
IE 6305	ENGINEERING MANAGEMENT I	3
IE 6306	ENGINEERING MANAGEMENT II	3
IE 5351	INTRODUCTION TO SYSTEMS ENGINEERING	3
IE 5346	TECHNOLOGY DEVELOPMENT AND DEPLOYMENT	3
Application Courses		
Select 2 from the following:		6
ACCT 5307	MEASUREMENT AND ANALYSIS FOR BUSINESS DECISION-MAKING	
IE 5301	INTRODUCTION TO OPERATIONS RESEARCH	
IE 5303	QUALITY SYSTEMS	
IE 5322	SIMULATION AND OPTIMIZATION	
IE 5329	PRODUCTION AND INVENTORY CONTROL SYSTEMS	
IE 5334	LOGISTICS DISTRIBUTION SYSTEMS DESIGN	
Electives		
Select two graduate courses from the College of Engineering, College of Science, or College of Business with prior approval of advisor. A capstone course, under the supervision of an IE faculty member, may be counted for one of these selections.		6
Total Hours		**30**

Program Completion

CONTINUATION

In order to continue in the program toward graduation, each graduate student must:

- Maintain at least a 3.0 overall GPA in all coursework taken as a graduate student and in their program, and
- Demonstrate suitability for professional practice.

If questions are raised by graduate faculty regarding either of the above, the student will be notified and will be provided the opportunity to respond to the Committee on Graduate Studies in the Department. The Committee on Graduate Studies will review the student's performance and make a recommendation concerning the student's eligibility to continue in the program. Appeal of a decision on continuation may be made through normal procedures outlined in the section of this catalog entitled "Grievances Other than Grades."

Advising Resources

New M.S. Students will attend a departmental orientation and receive advising for first-semester courses. Fast-Track M.S. Students must talk to an M.S. program advisor when enrolling at the beginning of each semester. New Ph.D. students will receive email communications from the Ph.D. program advisor on course requirements, course waivers, diagnostic exam, and other policies as appropriate. Students are welcome to contact program advisors via email with any questions.

Location:

420 Woolf Hall

Email:

imseinfo@uta.edu

Phone:

817-272-3092

Web:

Contact a graduate advisor (https://www.uta.edu/academics/schools-colleges/engineering/academics/departments/industrial/students/grad-advising/advisor-contact/)