

# MASTER OF SCIENCE IN ENGINEERING MANAGEMENT



# ITU

## Admission Requirements

### Sealed Official Transcripts From All Universities Attended

Minimum cumulative undergraduate GPA of 2.75 or graduate GPA of 3.0, on a 4.0 scale. Transcripts, listing courses taken and grades received, must be mailed directly from the institution or through a verified e-Transcript provider. [International Students please review additional requirements listed below.](#)

### Statement of Purpose (500-750 words)

Please describe why you are interested in the intended program of study, and how you hope to use this education to achieve your future goals.

### Resume Demonstrating Relevant Work or Volunteer Experience

Two pages maximum.

### GRE or GMAT Scores

Recommended. Scores must be sent directly from the testing center.

### Two Letters of Recommendation

Recommended. Required if minimum GPA is not met. Letters should speak to the student's professional and academic experience and potential to succeed in graduate school.

### INTERNATIONAL APPLICANTS:

#### Foreign credential evaluation for any non-US degrees

ITU will accept foreign transcript evaluations from these approved third-party service providers:

- International Education Research Foundation (IERF)
- World Education Services (WES)
- A2Z Evaluations
- Other NACES-recognized members

### Proof of English Proficiency

ITU looks for scores of 80+ for TOEFL iBT or 6.5+ for IELTS.

For a list of additional acceptable ways to satisfy the requirement, please contact an admission representative.

### ADMISSION CYCLES

**Fall** (Classes start September) May 15 - Aug. 15

**Spring** (Classes start January) Sep. 15 - Dec. 15

**Summer** (Classes start May) Jan. 15 - April 15



## INTERESTED?

Learn more at  
[ITU.EDU](http://ITU.EDU)  
or email  
[admissions@itu.edu](mailto:admissions@itu.edu)

**Engineering management** is a specialized area of management that requires a broad range of technical and managerial skills.

## Curriculum

ITU's engineering management program helps students develop stronger communication and business skills, which are especially needed today to more effectively work as an engineering manager.

This program is especially well-suited for students who have earned a Bachelor's degree in engineering, mathematics, science, or computer science. Additionally, those with a degree in business administration may find ITU's program appealing in that it will give them a chance to receive training that will allow them to transition into more technically-oriented jobs. Alternatively, they will also be prepared to go into positions having a blended requirement for knowledge and skill in both business and technology.

## Job Possibilities

Jobs within engineering management include, but are not limited to: project manager, project lead, product manager, management consultant, engineering manager, operations specialist, business analyst, project specialist, program manager, manufacturing engineer, operations manager.

The Engineering Management program is designed to prepare degree-holders from the fields of engineering, science, math, computer science, and business administration to manage more effectively within technology-based organizations.

## Program Requirements

To complete this program each student must complete a total of 36 credit hours:

### 4 CORE COURSES (12 Credit Hours)

EMG 500 Principles of Engineering Management  
EMG 501 Engineering Project Management  
EMG 502 Organizational Behavior  
EMG 503 New Product and Services Management.

### CAPSTONE COURSE OR THESIS PROJECT: 3 credit hours

### INTERNSHIP: 1-9 credit hours

### ELECTIVES (12-20 Credit Hours)

**Cross Disciplinary Elective:** up to 3 credit hours

**Transfer Credits:** up to 9 credit hours (counts as electives)

**MSEM Electives:** minimum of 6 credit hours of any Business and minimum of 6 credit hours of any Engineering classes

*These requirements apply to students admitted for FALL 2016 and beyond.*



# 工程管理 硕士



# ITU

## 录取要求

### 入读过的所有大学的密封成绩单

本科累积GPA需2.75以上，研究生3.0以上（总分4.0基础上）。成绩单需列出修过的课程和相应分数，须从大学直接密封寄出，或由经认证的提供电子成绩单的机构寄出。  
国际学生请注意补充要求。

### 个人陈述 (500-750字)

请陈述为什么对某个学科感兴趣，计划怎样通过学习来实现你的未来目标。

### 简历

列举相关工作或志愿者经历（两页以内）。

### GRE或者GMAT 成绩

建议提供，成绩必须由考试中心直接寄出。

### 两封推荐信

建议提供，GPA 没有达到最低要求的学生则必须提供。推荐信需陈述学生的专业和学术经历，以及成功完成研究生学习的潜力。

## 国际学生申请者：

### 成绩单认证

所有非美国学历需经第三方认证机构认证，ITU接受的认证包括：

- 国际教育研究基金会 International Education Research Foundation (IERF)
- 世界教育服务社 World Education Services (WES)
- A2Z鉴定处 A2Z Evaluations
- 其它全美学历认证协会 (NACES) 成员单位

### 英语水平要求

ITU要求托福成绩80分以上，雅思成绩6.5以上。若使用其它方式证明达到英语水平要求，请联系招生部负责人。

## 申请时间

秋季学期：9月开学 申请日期：5月15日—8月15日

春季学期：1月开学 申请日期：9月15日—12月15日

夏季学期：5月开学 申请日期：1月15日—4月15日



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**工程管理**是管理学中的一个专门领域，要求技术和管理方面广泛的能力。工程管理既包括运作管理，又包括项目管理。一个成功的工程经理必须具备指导、引领、激发专业技术人员的能力，进而实现公司目标。

## 课程概述

ITU的工程管理课程有效开发学生的沟通能力和商业技能。当今社会，良好的沟通能力和商业技能是工程经理尤其需要具备的素质。

工程管理硕士非常适合在工程学、数学、科学、计算机科学或其它相关领域获得本科学位的学生。对于具有工商管理本科学位的学生，也是一个理想选择。ITU的工程管理课程有助于有工商管理背景的学生获得更多技术方面的技能，使他们可以更好的承担需要管理和技术双重知识和技能的职位，或者转型从事更为技术性的工作。

## 就业方向

工程管理的工作包括但不限于：项目经理、项目负责人、产品经理、管理咨询师、工程经理、运作专家、商务分析师、项目专家、项目群经理、制造工程师、运作经理。

工程管理硕士课程有助于具有工程、科学、数学、计算机科学、工商管理学位背景的学生提升在科技公司的管理能力。

## 课程要求

学生需完成36个学分的课程以获得工程管理硕士学位：

### 4门核心课程（共计12个学分）

- EMG 500工程管理原理
- EMG 501工程项目管理
- EMG 502组织行为
- EMG 503新产品和服务管理

**综合实践：**3个学分

**实习：**1 - 9个学分

**选修课程：**12 - 20个学分

**非相关学科课程：**3个学分

**转入学分：**最多9个学分（作为ITU选修课程）

**工程管理硕士学位选修课程：**最少需修6个学分的工程管理选修课程，以及6个学分的工商管理课程

上述要求适用于2016秋季及之后入学的学生。

