MASTER OF SCIENCE IN **COMPUTER ENGINEERING**

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)	May15 - Aug. 15
Spring (Classes start January)	Sep. 15 - Dec. 15
Summer (Classes start May)	Jan. 15 - April 15

WASC
A WASC Accredited Institution

INTERESTED?
Learn more at
ITU.EDU
or email
admissions@itu.edu

Computer engineering embodies the science and technology of designing, constructing, implementing, and maintaining software and hardware components of modern computing systems and computer-controlled equipment. Computer engineering has traditionally been viewed as a combination of both computer science and electrical engineering.

Curriculum

ITU's MSCE curriculum helps students learn computer system designs based on principles from computer science and technology. They will learn to design, implement, and maintain software and hardware components of modern computing systems and computer-controlled equipment.

Job Possibilities

Programmer Analyst, IT Engineer, Programmer Analyst, Software Test Engineer, Technical Staff, Quality Analyst, Software Developer, Storage Engineer, and more.

(Based on real job and internship positions obtained by ITU graduates)

Program Requirements

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

4 CORE COURSES (12 Credit Hours)

CEN 500 Computer Engineering
CEN 510 Algorithms
CEN 551 Computer Architecture
CEN 548 Computer Network Systems or
CEN 580 Signal Processing and System Analysis

CAPSTONE COURSES OR THESIS PROJECT: 3 credit hours
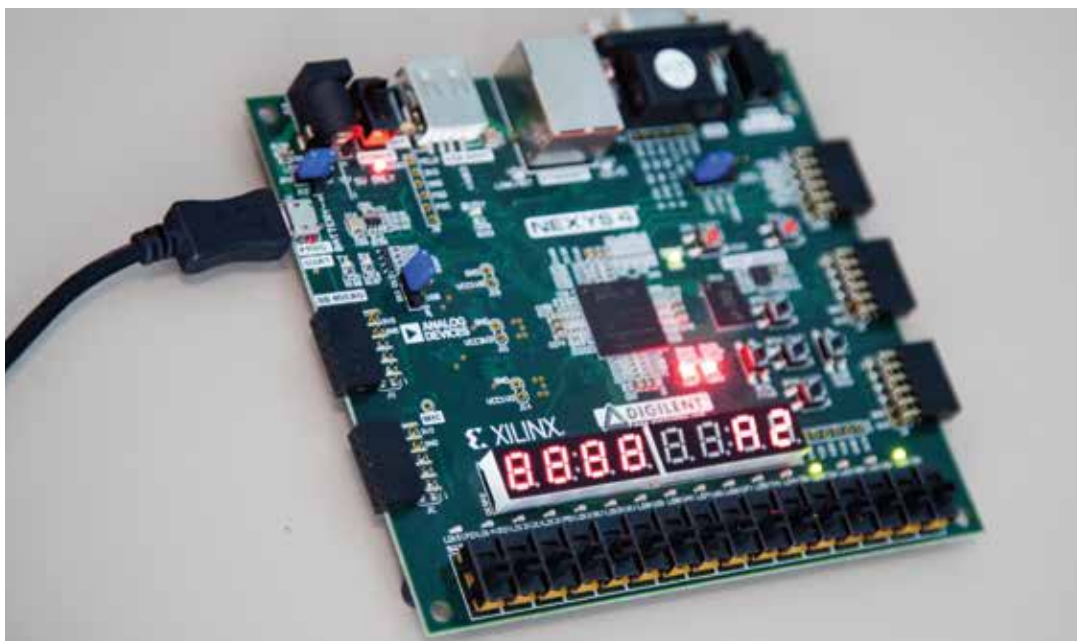
INTERNSHIP: 1-9 credit hours

ELECTIVES (12-20 Credit Hours)

Cross Disciplinary Elective: up to 3 credit hours

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

MSCE Electives: a minimum of 6 credit hours of electives in Computer Engineering

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

计算机工程
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。

计算机工程是集合现代计算机系统软件和硬件设计、构建、应用和维护的科学和技术，是计算机科学与电子工程结合的学科。

课程概述

ITU的计算机工程学硕士课程使学生掌握计算机科学和技术的原理，在此基础上进行计算机系统设计。学生将学习如何设计、应用和维护现代计算机系统的软件和硬件，以及计算机控制的设备的软件和硬件。

就业方向

程序分析师、IT工程师、软件测试工程师、技术支持、质量分析师、软件开发、存储工程师等。（以上职位为ITU毕业生实际就业和实习岗位）

课程要求

学生必须完成36个学分的课程以获得计算机工程硕士学位：

4门核心课程（共计12个学分）

CEN 500计算机工程

CEN 510算法

CEN 551计算机系统结构

CEN 548计算机网络系统 或

CEN 580信号处理与系统分析

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：最多3个学分

转入学分：最多9个学分（作为ITU选修课程）

选修课程：至少6个学分计算机工程的选修课程

2016

申请时间

学期	开学	申请日期
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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