MASTER OF SCIENCE IN COMPUTER SCIENCE

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

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Computer Science moves past the basic details of programming to teach you how to identify the true issues behind software and computerization problems. As a student in the program you will learn how to find solutions to modern software issues found within things like self-driving cars and MRI machines. Once you graduate from the program you will be able to identify the core problems behind the code and develop solutions from the ground up.

Curriculum

ITU's MSCS curriculum offers a holistic education in a variety of programming languages, abstract algebra, algorithms, and binary data. The curriculum gives you the technical knowledge to take on a diverse set of industry-specific challenges.

Job Possibilities

Information Technology (IT) Architect, Data Scientist, User Experience Designer, Senior Database Administrator (DBA), Security Engineer, Information Systems, Database Developer, Computer Systems Analyst, and more.

Program Requirements

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

4 CORE COURSES (12 Credit Hours)

CSC 501 Discrete Structures
CSC 502 Principles of OS & Distributed Systems
CSC 620 Programming Language Theory
CSC 680 Advanced Computer Algorithms

CAPSTONE PROJECT: 3-6 credit hours
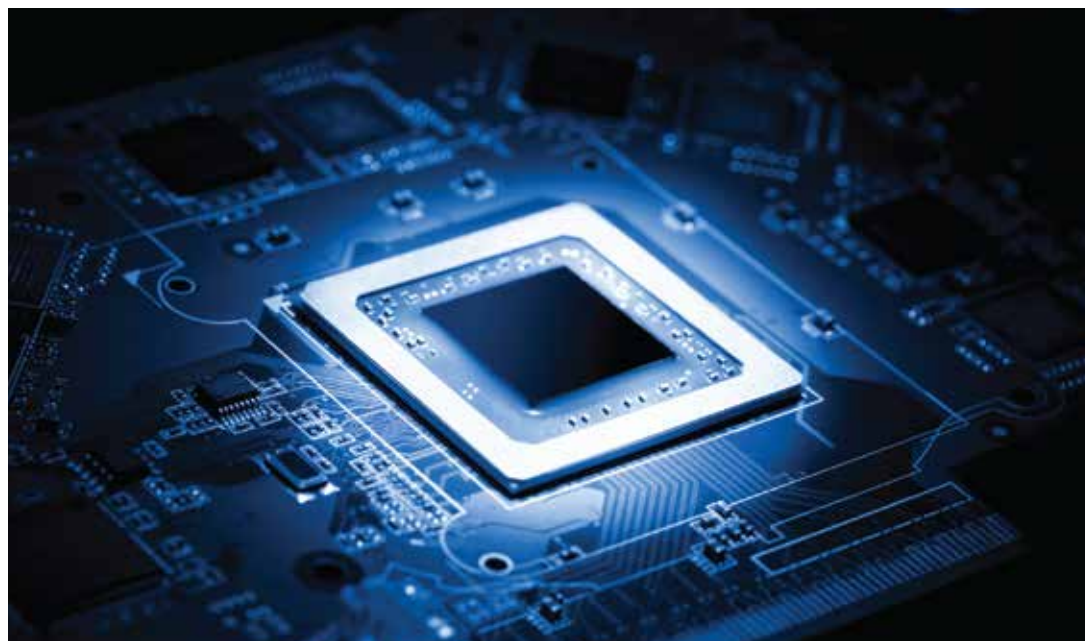
INTERNSHIP: 1-9 credit hours

ELECTIVES (12-20 Credit Hours)

Cross Disciplinary Elective: up to 3 credit hours

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

MSCS Electives: up to 20 credit hours (a maximum of 3 credit hours of mathematics will be counted)

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

计算机科学
硕士

计算机科学已经超越了学习编程基本细节的阶段，而是教导学生如何发现隐藏在软件问题后的真正问题。本项目的学生将学习如何找到现代软件问题的解决方案，例如自动驾驶汽车和MRI机器所使用的软件。学生从本项目毕业后，将有能力挖掘隐藏在代码后的问题，并找到彻底的解决方案。

课程概述

ITU的计算机科学硕士课程提供包括编程语言、抽象代数、算法和二进制数据的综合教育。课程为学生提供的技术知识可使学生应对多种特定工业的挑战。

就业方向

信息技术（IT）架构师、数据科学家、用户体验设计师、高级数据库管理员（DBA）、安全工程师、信息系统、数据库开发、计算机系统分析师等。

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。

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）

CSC 501离散结构
CSC 502操作系统和分布式系统原理
CSC 620编程语言理论
CSC 680高级计算机算法

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：最多20个学分（数学最多3个学分）

上述要求适用于2016秋季及之后入学的学生。

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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