MASTER OF SCIENCE IN COMPUTER ENGINEERING

Program Overview

Access cutting-edge technology and learn from industry professions in ITU's Computer Engineering program. ITU offers a practical education while allowing students the opportunity to work with innovative EDA tools. Our Computer Engineering program offers curriculum and training in one of the most marketable fields in the world today. Expand and perfect your computer engineering skills at ITU, and be ready to apply them instantly in Silicon Valley.

Why You Should Apply

As an ITU computer engineering student, you can:

- Get hands-on research experience in embedded systems, green energy, and AI robotics.
- Learn from instructors who come from industry leading companies like ARM, Fujitsu, and Intel. They bring industry experience into the classroom and provide insight into the latest trends.
- Gain access to research conducted in state-of-the-art labs. Our partnerships with schools across the world, like Peking University in China, also offer a global perspective in current research developments.
- Be part of a STEM program designed to teach students the skills required to thrive in Silicon Valley's ever-evolving tech sector.

Curriculum Highlights

Our 36 credit hour curriculum is completed in 16 months. The 36 credit hours are composed of core courses, electives, cross disciplinary electives, capstone or thesis, and an internship.

Sample Courses

- Deep Learning in Engineering
- Bioelectronics and Bioengineering
- Distributed Computing
- Embedded System Design
- Advanced Digital Image Processing

36 credit hours

16 Months for Full Time | **32 Months** for Part Time

Admission Requirements

Bachelor's Degree With a minimum GPA of 2.75 or a Master's degree with a minimum GPA of 3.0.

Proof of English proficiency*: All applicants whose native language is not English and who did not receive either a bachelor's or graduate degree from an English-speaking institution must take an English proficiency test.

Test of English as a Foreign Language (TOEFL) examination; 78 or better for the internet-based test (ibt).

International English Language Testing System (IELTS) examination; band score of 6.0 or better for the academic module.

Demonstrate commitment to contribute to and complete the program.

U.S. citizens or U.S. Permanent* Residents that have earned an undergraduate or graduate degree from a regionally accredited institution in the U.S. are waived from this requirement.

Deadlines

Applications are reviewed on a rolling basis and considered for admission to the next available trimester start date.

One-On-One Advising

We are here to help. Email us for application assistance at **admissions@itu.edu**

Studying In Silicon Valley

ITU is in the heart of Silicon Valley. Our centrally located campus allows students to uncover the far-reaching opportunities offered in one of the world's leading business hubs. As an ITU student, you will study among some of the world's biggest companies. Our campus neighbors the headquarters of leading firms such as Facebook, Google, and eBay. The university's location gives each student the chance to learn and network with the best talent in the tech field.

Outside of your studies, you can spend your spare time exploring the distinctive culture of Northern California. Discover the exciting nightlife of the area by visiting local hotspots such as San Francisco's Haight-Ashbury and Pier 39. Take a break from city life with a day trip to some of California's premier beaches and mountain trails. Or spend a weekend further north touring Napa's Wine District, traversing Yosemite, or enjoying the many activities found in bustling Lake Tahoe.

CAREER DEVELOPMENT

RENOWNED FACULTY

SILICON VALLEY RESOURCES

ENTREPRENEURSHIP

Career Opportunities

- Programmer Analyst
- Quality Analyst
- IT Engineer
- Software Test Engineer

3%

Projected job-growth rate for computer Engineers.

$115,080

Median annual wage for computer engineers in 2016.

U.S. Bureau of Labor Statistics

DEPARTMENT CHAIR OF ELECTRICAL AND COMPUTER ENGINEERING

May Huang, Ph.D., is chair of the Department of Computer Engineering, director of global relations, and an instructor at ITU. She brings over 20 years of Silicon Valley IC and software design experience, as a former project manager and designer at VLSI Technology, Inc., Hitachi Semiconductor America, and Virtual Silicon Technology. Dr. May also participated as a member of a working group and balloter on VITAL, Verilog, and Analog Extensions of VHDL toward IEEE standard.

About ITU

ITU pioneers an industry-focused educational model to deliver education globally. ITU's pedagogy cultivates innovative thinking, ethical leadership, and entrepreneurial spirit through practical, industry-relevant curriculum reflecting Silicon Valley's culture. ITU closes the employment skills gap and empowers students to lead successful, enriching lives as meaningful contributors to the global community.

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