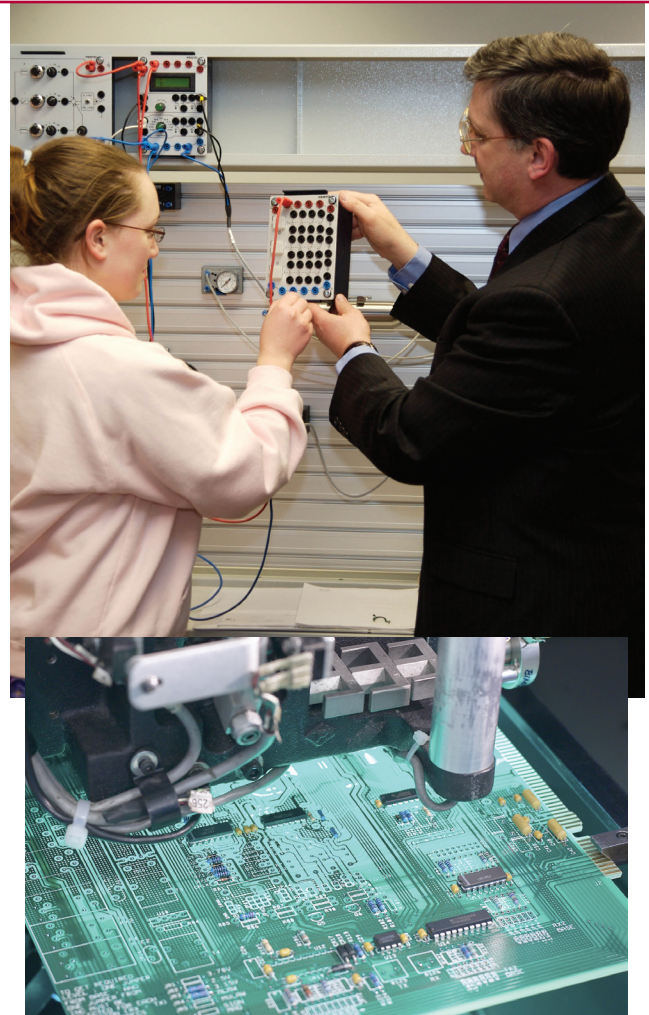


Computer Engineering

BACHELOR OF SCIENCE IN



Computer engineers play an integral role in the design and maintenance of large systems that require sophisticated control, including aircraft, automobiles, medical instrumentation, telecommunication systems, and factory automation. They are a driving force behind most of today's new technologies, including wireless communications, and with the expansion of computers into all facets of everyday life, they continue to be in great demand. Computer engineers design technology for a wide variety of consumer, industrial, commercial, and military applications. Transportation, consumer electronics, aerospace, robotics – these are a few of the industries that hire large numbers of computer engineers.



The Bachelor of Science in Computer Engineering program at Lawrence Technological University combines the best of electrical engineering and computer science. You will learn the fundamentals of circuits, systems, and software associated with the design of programmable systems used for general purpose computing, communications, control, or signal processing. While the program offers a strong foundation in computer science and electrical engineering, you will study mathematics and physics, which broaden your knowledge and understanding of the computer engineering field. Advanced

courses provide you with depth in selected areas and exposure to the practice of engineering design, and you can take specialized elective courses in several areas. Computer engineering students are also positioned to pursue graduate programs in either computer science or electrical engineering.

Computer engineers need expertise in both the hardware and software aspects of computer technology, as well as the ability to blend the two to create optimum system designs. With this in mind, Lawrence Tech's Bachelor of Science in Computer Engineering program offers you several courses that deal specifically with

CURRICULUM

Your 132-credit-hour program consists of:

Humanities (with emphasis on leadership)	19
Basic Science, Communications, Computer Science, Math	52
Electrical/Computer Engineering Core	44
General Engineering	7
Technical Electives	10
Total	132

“The small classes at Lawrence Tech allow you to actually get to know your professors. The depth and breadth of their experience was really surprising and beneficial.”

Sarah Witting, BSCE'06, MSECE'07, Engineer, Nissan Technical Center



**Graduates with a degree in
Computer Engineering
have many career options:**

- Aerospace
- Automotive
- Computers/Electronics
- Communications
- Health care
- Robotics
- Transportation

the challenge of integrated product design. In addition to the electrical engineering and computer science core, the program includes one math/science elective, two electrical engineering electives, and one computer engineering elective. The capstone senior project spans two semesters and involves the design, construction, and testing of a computer-engineering innovation. Past student projects include building computer controls for a jet engine, a computer-controlled on-board tire inflator, a fire-fighting robot, and a keyless door-entry system.

The computer engineering program is accredited by the Accreditation Board for Engineering and Technology.

Why Computer Engineering at Lawrence Tech?

The Bachelor of Science in Computer Engineering program

at Lawrence Tech combines academic excellence with a wealth of practical experience. Co-op programs and industry-sponsored projects offer valuable contacts with leading companies and enable you to combine paid on-the-job experience with your studies. You can also participate in the Lear Entrepreneurial Program, which focuses on what it takes to create, promote, and market products and services. Another great opportunity is the Global Engineering program, which arranges for you to work and study abroad – an especially valuable experience in preparing you to compete in a global economy.

Getting Started

For more information, visit ltu.edu/engineering/electricalandcomputer/_undergrad_com.asp or contact Lawrence Tech's Office of Admissions at 800.CALL.LTU or admissions@ltu.edu.

GET MORE. DO MORE.

Lawrence Technological University produces leaders with an entrepreneurial spirit and a global view. That's why most Lawrence Tech students are employed within a month of graduating. Your benefits:

- Leadership Program that helps you develop the marketable skills that employers seek
- Leadership Portfolio that enhances your diploma – and your resume
- 12:1 student-faculty ratio
- Faculty with current industry experience
- Fully loaded high-powered laptop or tablet computer provided
- Schedules that work for you, with convenient day, evening, weekend, or online classes
- Hi-tech, wireless 102-acre campus that's commuter friendly, with recreation, housing, and meal service options
- Financial-aid, co-op, and internship opportunities
- Proactive career placement services

Explore over 80 undergraduate, master's, and doctoral programs in Colleges of Architecture and Design, Arts and Sciences, Engineering, and Management.