Architectural engineers have the artistic vision to understand what an architect is trying to accomplish, and they use their specialized engineering skills to build structures that are durable, economical, and healthy. They are the “master builders” and thus are indispensable members of the design team: Architectural engineers analyze the site, building orientation, and exposure; design the heating, cooling, lighting, and power distribution systems; ensure fire protection; and determine how water and waste will be managed.

Get on the Fast Track
Complete your undergraduate and master’s studies in just five years with Lawrence Technological University’s Master of Science in Architectural Engineering, an intensive, integrated program that encompasses both undergraduate and graduate studies. With this degree – offered at only a handful of universities in the nation – you’ll be uniquely positioned as a “whole building professional” in the growing field of sustainable design and energy-efficient systems engineering for the built environment. You’ll learn to apply the skills of many engineering disciplines – structural, mechanical, and electrical – to work collaboratively in the building design process.

A Degree Gone Green
The role architectural engineers play in the building process allows them to make a huge environmental difference by reducing the “footprint” of buildings and promoting carbon neutrality and net-zero energy building. Lawrence Tech, committed to sustainable design with its LEED silver-certified A. Alfred Taubman Student Services Center, created the Master of Science in Architectural Engineering to specifically prepare students to be leaders in the rapidly expanding field of sustainable building design.

Lawrence Tech’s Master of Science in Architectural Engineering program blends the expertise of the University’s renowned Colleges of Engineering and Architecture and Design to provide you with the knowledge and skill to succeed as a “green” building-oriented design engineer. The engineering courses you’ll take are specifically designed to meet the ABET requirements for depth in the areas of architectural engineering and breadth in general engineering. Like all Lawrence Tech degrees, the Master of Science in Architectural Engineering incorporates the University’s signature “theory and practice” approach to learning. You’ll gain valuable hands-on experience working in project teams and enjoy leadership opportunities through professional organizations.

“Lawrence Tech’s architectural engineering program meets a great need in the construction industry, which suffers from a lack of building-oriented design engineers. Architectural engineers are highly sought after because they have the specialized engineering skills needed in the architecture and building professions.”

Gordon Holness, chairman emeritus, Albert Kahn Associates Inc., and president elect, American Society of Heating, Refrigerating, and Air-Conditioning Engineers
Why Lawrence Tech’s Master of Science in Architectural Engineering?
Lawrence Tech’s Master of Science in Architectural Engineering is one of only a handful of programs in the nation that is specifically designed to develop advanced knowledge, skills, and experience in the growing field of sustainable building design, systems engineering, and integration.

Furthermore, Lawrence Tech offers the advantages of a technological university and the fertile synergy of its College of Engineering and College of Architecture and Design, both of which collaborated on the creation of the degree. Several of your studios will be team-taught by architectural and engineering faculty and practitioners to provide lectures and topics relevant to industry practice.

Many architectural engineering and construction companies have their headquarters in southeast Michigan with branch offices spanning the globe. This gives you many employment and internship opportunities with some of the world’s finest and most technologically sophisticated professionals. These professionals are also involved in teaching and designing your course work to ensure that the curriculum is current and includes real-world applications.

Getting Started
For more information, contact Lawrence Tech’s Office of Admissions at 800.CALL.LTU or admissions@ltu.edu. For specific questions about the Master of Science in Architectural Engineering program, visit ltu.edu/engineering/arch.asp or contact Lawrence Tech’s College of Engineering at 248.204.2500 or engrdean@ltu.edu.

Graduates with a degree in Architectural Engineering have many career options:
- Architectural engineer
- Building inspector/engineer/manager
- Construction engineer/manager
- Design engineer/consultant
- Design firm manager/owner
- Electrical and lighting systems engineer
- Green building designer/energy engineer
- Mechanical heating, ventilating, and air-conditioning (HVAC) engineer
- Professor/researcher
- Project Manager
- Sales/applications engineer

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.