Construction Engineering Management

From bridges and highways to airports and power plants, entire cities depend on the expertise of engineers. Their problem-solving skills are essential to planning, designing, and constructing the modern infrastructures on which society depends. And while civil engineers and architects design the structures, it is the job of the construction engineer to transform those plans into realities. Having knowledge of business management and an understanding of the law are crucial when it comes to bringing projects to completion in an efficient and effective manner.

Why Construction Engineering Management at Lawrence Tech?
The Master of Construction Engineering Management at Lawrence Technological University is a unique and innovative program offered in collaboration between the College of Engineering and the College of Management. The curriculum, focused on business and law, reflects a growing trend to cross traditional disciplinary boundaries and create new areas of specialization. This well-rounded education, embracing Lawrence Tech’s motto of theory and practice, can help prepare you for leadership positions within the construction industry.

Throughout your studies, you will learn to use mathematics, science, and engineering to analyze problems and design construction processes. In addition, you will learn the concepts of construction engineering and the principles of business management. The synthesis of these two fields provides you with a highly specialized and marketable combination of skills. Lawrence Tech’s Master of Construction Engineering Management program also stresses advanced computer and communication skills, as well as the importance of professionalism and ethics – all essential to success in any field.

CURRICULUM
Your 30-credit-hour program consists of:

Core Courses 18
- Sustainable Construction Practices
- Principles of Design-Build
- Project Delivery
- Techniques of Project Planning and Control
- Fundamentals of Construction Accounting and Finance
- Construction Law
- Infrastructure Funding and Regulation

Elective Courses 12
Choose from the following:
- Applied Geographic Information Systems
- Advanced Construction Techniques and Methods
- Construction Safety Management
- Conceptual Estimating
- Special Topics in Construction Engineering
- Environmental Management
- Infrastructure Program Management
- Graduate Directed Study
- Leadership Development
- Perspectives in International Business

Total Credit Hours 30
Getting Started

Admission to Lawrence Tech’s Master of Construction Engineering Management program is competitive. Applicants must:

- Hold a Bachelor of Science degree in civil engineering (or other technical field) from an ABET-accredited college or university. Individuals with an undergraduate degree in a non-engineering field may be admitted to the program, but may be required to take additional course work.
- Have a minimum undergraduate overall GPA of 3.0.
- Provide three letters of recommendation, preferably from employers and former professors.
- Provide a statement of intent.
- Provide official transcripts of all completed college work.
- Submit a completed graduate application form.
- Applicants who do not meet all requirements may be admitted on a conditional basis upon review by the Engineering Graduate Admission Committee.

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 Construction Engineering Management program, call 248.204.2556.

GET MORE. DO MORE.

Lawrence Technological University produces leaders with an entrepreneurial spirit and a global view. That’s why Lawrence Tech grads earn a return on their tuition investment that ranks among the highest 30 percent of all U.S. universities. Your benefits:

- Intensive leadership-driven programs that embrace theory and practice
- Faculty with current industry experience, not just book smarts
- Convenient schedules that include day, evening, weekend, and online classes
- Well-connected career placement services
- A high-tech, wireless 102-acre campus that’s commuter friendly, with recreation, housing, and meal service options

Explore over 100 undergraduate, master’s, and doctoral programs in Colleges of Architecture and Design, Arts and Sciences, Engineering, and Management.