

Construction Management Technology

Bachelor of Science Degree

Contact

Scott Dunning, Director
School of Engineering Technology
5711 Boardman Hall, Room 119
Orono, ME 04469-5711
207-581-2340
207-581-2341
fax: 207-581-2113
umaine.edu/set

Philip Dunn, Coordinator
5711 Boardman Hall, Room 132
Orono, ME 04469-5711
207-581-2326
philip.dunn@umit.maine.edu

Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 1 Biology (recommended)
- 2 Algebra I & II
- 1 Geometry
- 1 Pre-Calculus
- 2 Lab Science (chemistry and physics)
- 2 History/Social Studies
- Academic electives (to equal at least 17 total credits)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Did You Know?

- The CMT program is engineering-based and uses an applied civil engineering curriculum.
- With the right elective courses, the CMT program provides a path for students to obtain a professional engineer's license.
- The CMT program also offers the opportunity for those with an associate's degree to obtain a bachelor's degree in engineering technology.

College of Engineering

Program Description

The Construction Management Technology (CMT) Program is a blend of civil engineering technology and construction business management. Starting with a basic grounding in mathematics and the physical sciences, the student is concurrently and progressively taught surveying, materials testing, structural analysis and design, and civil engineering topics. The program then moves into technical construction topics such as estimating, scheduling, and construction methods and equipment. Subsequently, the curriculum features management courses tailored to construction industry financial and operating practices. CMT at UMaine is the only program in a New England public university accredited by the Technology Accreditation Commission of ABET. Students who complete the CMT Program are suited to follow a business minor at the university and ultimately an MBA. CMT prides itself in having graduates who obtain high starting salaries with high placement rates after graduation. Alumni follow-ups show that CMT graduates hold lucrative positions in many aspects of construction companies, overseeing significant projects.

Specialized Information

The construction industry is very supportive of the program and provides opportunities for site field trips and guest speakers. Many construction companies provide direct networking opportunities through pizza nights, where students interact with professionals about projects that have been built. Students in the CMT Program are eligible to choose from a variety of minors to enhance their education. These minors can be obtained through taking selective electives that fit within the CMT structure; examples of these minors include a surveying minor or an entrepreneurial minor. Most students find summer employment within their major. They have had internships with companies such as Kiewit, which employs and trains interns in major projects in the Greater New York City area. Others have had internships with Shawmut and Gilbane in the Greater Boston area. All incoming students are required to have a laptop computer. As part of the curriculum, students are required to take the American Institute of Constructors Associate Constructors Level I exam.

Associated Honor Societies and Student Organizations

UMaine has chapters of Associated General Contractors, Associate Builders and Contractors, and the Society of Women Engineers.

NEBHE Program

Applicants to this program who reside in Massachusetts, New Hampshire or Rhode Island are eligible for reduced tuition (in-state plus 50 percent) under the New England Regional Student Program, administered through the New England Board of Higher Education (nebhe.org).

Representative Courses

CET100 Introduction to Construction Management
CET120 Technical Drawing
CET101 Plane Surveying
CET130 Building Construction
CET202 Construction Surveying
CET211 Statics and Strength of Materials
CIE110 Materials
CIE111 Materials Laboratory
CET212 Structural Design
CET221 Construction Methods
CET224 Construction Safety

CET326 Soil Mechanics and Foundations
CET327 Soil Mechanics and Foundations Lab
CET356 Construction Documents and Administration
CET357 Construction Documents and Administration Lab
CET332 Civil Engineering Technology
CET360 Construction Estimating and Bidding
CET451 Construction Law
CET462 Construction Planning and Scheduling
CET455 Engineering Fundamentals
CET458 Management of Construction

Career and Graduate Opportunities

CMT graduates typically have careers as project engineers, estimators, schedulers and superintendents.

About UMaine

The University of Maine, founded in Orono in 1865, is the state's premier public university. It is among the most comprehensive higher education institutions in the Northeast and attracts students from across the U.S. and more than 60 countries. It currently enrolls 12,000 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars. Students are offered 88 bachelor's degree programs, 64 master's degree programs, 25 doctoral programs and one of the oldest and most prestigious honors programs in the U.S. The university promotes environmental stewardship on its campus, with substantial efforts aimed at conserving energy, recycling and adhering to green building standards in new construction. For more information about UMaine, go online (umaine.edu). Equal opportunity information also is available online (umaine.edu/eo).

How do I apply?

Visit go.umaine.edu for an application as well as information about academics and life at UMaine.



Academic Programs 2011–12

The latest versions of the UMaine fact sheets are online (factsheets.umaine.edu). This fact sheet is intended for informational purposes only and is subject to change.

