

# Construction Management Technology

College of Lake County Grayslake · Vernon Hills · Waukegan · Online

## Program Overview

Engineering, Math & Physical Sciences  
Division, Room T102 (847) 543-2044  
[www.clcillinois.edu/credit/programs/cmt.asp](http://www.clcillinois.edu/credit/programs/cmt.asp)

## CONSTRUCTION MANAGEMENT TECHNOLOGY

(Associate in Applied Science) Plan 24BA

This program prepares students to work as entry-level construction management technicians in the construction industry. This degree is particularly well-suited for students with field experience in construction trades who desire a more management-oriented position.

To complete an A.A.S., students must meet General Requirements detailed in the current CLC catalog. Visit [www.clcillinois.edu/catalog/](http://www.clcillinois.edu/catalog/) (select Career Programs). All course prerequisites must be met.

### Required General Education Coursework . 15

ARC 228	History of Architecture <b>or</b> Humanities or Fine Arts Elective	3
CMM 111	Communication Skills <b>or</b>	
CMM 121	Fundamentals of Speech	3
ENG 120	Technical Composition <b>or</b>	
ENG 121	English Composition I	3
ECO 222	Principles of Microeconomics <b>or</b>	
ECO 110	Economics for Business and Industry <b>or</b> Social Science Elective	3
MTH 117	Technical Mathematics I <b>or</b>	
MTH 123	Trigonometry <b>or</b>	
MTH 144	Pre-Calculus	3-5

### Required Construction Management

#### Coursework . 48

ACC 121	Financial Accounting <b>or</b>	
BUS 115	Elements of Supervision <b>or</b>	
BUS 121	Introduction to Business	3
CIV 111	Basic Surveying <b>or</b>	
CMT 111	Construction Layout	3-4
CIV 113	Construction Inspection and Safety	3
CIV 214	Civil Materials and Testing	3
CMT 110	Introduction to the Built Environment	1
CMT 112	Blueprint Reading	3

CMT 113	Construction Materials	3
CMT 114	Introduction to AEC Computer Applications	2
CMT 117	Construction Methods	3
CMT 118	Mechanical and Electrical Equipment	3
CMT 119	Specifications and Building Codes	3
CMT 211	Job Scheduling and Control	3
CMT 212	Heavy Construction Methods	3
CMT 213	Construction Law and Documents	3
CMT 214	Construction Estimating	3
CMT 215	Construction Management <b>or</b>	
EWE 220	Cooperative Work Experience I	3
	Technical Elective (see below)	3

Total Hours for A.A.S. Degree . . . 63-65

### Technical Electives<sup>^</sup>

Select 3 hours from the list below:

ACC 112	Accounting Procedures	3
ACC 121	Financial Accounting	3
ARC 121	Architectural Graphics	3
BUS 219	Small Business Management	3
BUS 221	Business Law I	3
CAD 117	Introduction to AutoCAD	3
CIT 211	Project Management Software	3
CIV 131	GIS/GPS Applications for Civil and Surveying Technology	3
CMT 115	Carpentry I	3
CMT 299	Special Topics in Construction Management Technology	3
ISE 110	Industrial Electricity	3
RAC 131	Plumbing and Pipefitting I	3

### Transfer Program Notes

Many courses may transfer to a four-year college or university towards a Bachelor of Science degree in Construction Management. Courses required for transfer **vary** by transfer school and program. Students **should consult with the program advisor** to plan an individualized curriculum based on their specific needs.

<sup>^</sup> May be substituted for individual courses in construction management core upon consultation with advisor in order to meet specific student learning objectives and/or job requirements.

## Typical Jobs \*

- Assistant Project Manager
- Project Manager
- Construction Manager
- Estimator
- Scheduler
- Inspector

## Salary Range \*

\$43,800 - \$ 145,600+

## Job Outlook \*

Faster than average employment growth is expected. Excellent job opportunities will exist as the number of job openings exceeds the number of qualified applicants.

## Employers

- Construction firms
- Building owners
- Developers
- Suppliers
- Architects
- Material testing and inspection companies
- Department of Public Works

## Transfer Schools

Graduates may transfer many of the program's credits toward a B.S. in Construction Management from the following schools:

- Bradley University
- Illinois State University
- ITT Technical Institute
- Milwaukee School of Engineering
- Purdue University Calumet
- Southern Illinois University

\* Career information is based on data from the Bureau of Labor Statistics for the Chicagoland area.



# Construction Management Technology

## CONSTRUCTION MANAGEMENT TECHNOLOGY

### (Certificate) Plan 24BF

This certificate is intended for students desiring to focus on a career in construction management or supervision, and who may already have work experience in the construction field.

Courses include the core courses from the A.A.S. degree program that are most closely linked to immediate employment opportunities. Job opportunities include estimating, scheduling, procurement and field supervision. Other CMT courses may be substituted upon consultation with a program advisor.

CMT 112	Construction Blueprint Reading . . .	3
CMT 113	Construction Materials . . . . .	3
CMT 114	Introduction to AEC Computer Applications . . . . .	2
CMT 117	Construction Methods . . . . .	3
CMT 211	Job Scheduling and Control . . . . .	3
CMT 214	Construction Estimating . . . . .	3
CMT 215	Construction Management <b>or</b>	
EWE 220	Cooperative Work Experience I . . .	3
MTH 117	Technical Mathematics I <b>or</b>	
MTH 123	Trigonometry <b>or</b>	
MTH 144	Pre-Calculus . . . . .	3-5

Total Hours for Certificate . . . . . 23-25

## How to Register

Visit [www.clcillinois.edu/credit/register/](http://www.clcillinois.edu/credit/register/) for steps on how to register.

## The Construction Management Technology Program at CLC

- Courses are offered at night and on weekends to accommodate working students.
- Students can obtain college credit through related work experience by enrolling in the Cooperative Education program.
- CLC courses are taught by professionals experienced in the construction field, many of whom also work full-time in the construction industry.

## Construction Managers

Qualified construction project managers are an integral part of the construction industry. Project managers plan and coordinate a variety of construction projects. They may own or manage their own construction company or work for a construction management or contracting firm that oversees construction projects. They may plan and direct a whole project or just a part of a project.

Project managers typically schedule and coordinate all construction processes, including the selection, hiring and oversight of specialty trade contractors. They manage, coordinate and supervise the construction process from the conceptual development stage through final construction on a timely and economical basis.

Given designs for buildings, roads, bridges or other projects, project managers oversee the organization, scheduling and implementation of the project to execute those designs. They are responsible for coordinating and managing people, materials, equipment, budgets, schedules, contracts and on-the-job safety.

## Our Approach to Career Education

At CLC, Associate in Applied Science degree programs and career certificates are designed to provide the solid technical and analytical skills required in today's workplace. In these programs, you will earn a well-respected credential that will qualify you to begin a challenging career.

In the program, you will have instructors with real-world experience, including part-time faculty who currently work full-time in their fields. Throughout your studies, you will have access to faculty advisors and counselors who will help you identify your goals and plan your courses. You will receive the support and encouragement you need from a caring staff whose goal is to help you succeed academically.

## Contact Info

19351 W. Washington Street  
Grayslake, IL 60030

Robert Twardock, P.E.  
Department Chair  
Room: T113  
Phone: (847) 543-2903  
[rtwardock@clcillinois.edu](mailto:rtwardock@clcillinois.edu)

