



## **Construction Management C.A.**

Career Community: Building and Construction Trades

Curriculum Code: 1635

Effective: Fall 2023 – Summer 2028

### **Description**

The Construction Management Certificate of Achievement is designed to prepare students to work in entry-level supervisory and management positions related to construction, including site supervisors, construction and project superintendents, field supervisors, project engineers, and estimating/scheduling assistants. Construction management professionals plan, direct, or coordinate activities related to the construction and maintenance of buildings and infrastructure. They participate as members of an integrated project team in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. This curriculum provides students with the opportunity to add construction management competencies to another trade-or technical related certificate or degree (ARCH, BLDT, CIVL, ELTE, HVAC) or to work toward completion of the Construction Management Associate in Applied Science degree. This curriculum provides graduates with a broad foundation of technical and management abilities with an emphasis on job entry skill development, estimating, scheduling, project management, and specialized technical skills. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### **Milestone**

Completion of DCTM 100 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in this course.

### **Additional Information**

If students have already completed ELTE 102, HVAC 102, METS 102, TECH 102, or WELD 102 with a grade of 2.0 or higher, that will satisfy the DCTM 102 requirement. Any of these courses will fulfill the prerequisite for ARCH 113, ELTE 110, and the BLDT courses.

### **Contact Information**

For further information, including career options, course substitutions and waivers, etc., contact the Construction Management Program, West Campus Building, Room M103, telephone number 517-483-5338 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

### **Program of Study Required Courses**

Course Code	Course Title	Credit / Billing Hours
ACCG 101	Accounting Info for Management	3 / 3
ARCH 113	Materials & Methods of Constr.	4 / 6

Course Code	Course Title	Credit / Billing Hours
BLDT 160	Steel Framing	4 / 6
DCTM 100	Intro to the Built Environment	3 / 4
DCTM 102	Construction Safety	2 / 3
DCTM 103	Codes and Specifications	3 / 3
DCTM 200	Construction Management I	4 / 6
DCTM 201	Construction Management II	4 / 6
DCTM 210	MEP Equipment for Buildings	3 / 3

**Program of Study Required Courses, Limited Choice – *Select one***

Course Code	Course Title	Credit / Billing Hours
BLDT 120	Structural Framing	4 / 6
BLDT 130	Building Exterior Construction	4 / 6
BLDT 150	Intro Masonry/Concrete Const	4 / 6
CIVIL 120	Surveying	4 / 6
DCTM 220	BIM for Construction	4 / 6
ELTE 110	Practical Electricity	4 / 6
HVAC 100	Fundamentals of HVAC	3 / 3
MGMT 234	Diversity in the Workplace	3 / 3

**Minimum Total Credit Hours**

33 credits / 43 billing hours

**Recommended Course Sequence**

Semester I (Fall)
ARCH 113
DCTM 100 – Milestone course
DCTM 102
DCTM 200

Semester II (Spring)
DCTM 103
DCTM 201
DCTM 210
Limited Choice

Semester III (Fall)
ACCG 101
BLDT 160

*LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.*