



## **Construction Management A.A.S.**

Career Community: Building and Construction Trades

Curriculum Code: 1634

Effective: Fall 2025 – Summer 2030

### **Purpose of the Major**

The Construction Management Degree 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 incorporates elements of the Associate Constructor Level I examination body of knowledge as established by the American Institute of Construction. The 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**

In addition to the required General Education courses in Math and English, completion of DCTM 100 and DCTM 103 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses 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 these courses.

### **Additional Information**

If students have already completed TECH 102 with a grade of 2.0 or higher, that will satisfy the DCTM 102 requirement. TECH 102 will also 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.

**Major Required Courses**—*A minimum grade of 2.0 is required for General Education courses.*

Course Code	Course Title	Credit / Billing Hours
ACAD 100	First-Year Experience	1 / 1
ACCG 101	Accounting Info for Management	3 / 3

Course Code	Course Title	Credit/ Billing Hours
ARCH 113	Materials & Methods of Constr.	4 / 6
BLDT 130	Building Exterior Construction	4 / 6
BLDT 150	Intro Masonry/Concrete Const	4 / 6
BLDT 160	Steel Framing	4 / 6
COMM 110 or COMM 120 or COMM 130 or COMM 200 or COMM 240 or COMM 260 or ENGL 122 or ENGL 132	Communication in the Workplace Dynamics of Communication Fundamentals Public Speaking Small Group Communication Interpersonal Communication Nonverbal Communication Composition II Honors Composition II	3 / 3 3 / 3 3 / 3 3 / 3 3 / 3 3 / 3 4 / 4 4 / 4
DCTM 100	Intro to the Built Environment	3 / 4
DCTM 101	Drafting/Intro to CAD	3 / 4
DCTM 102	Industrial/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
ENGL 121 or ENGL 124 or ENGL 127 or ENGL 131	Composition I Technical Writing Business Writing Honors Composition I	4 / 4 3 / 3 3 / 3 4 / 4
LEGL 215	Business Law-Basic Principles	3 / 3
MATH 115 or MATH 119 or MATH 120 or MATH 126 or STAT 170	Technical Mathematics Math – Applications for Living College Algebra Precalculus Introduction to Statistics	4 / 4 4 / 4 4 / 4 5 / 5 4 / 4

Notes:

ACAD 100 may be waived when students meet one of the following College-approved waiver criteria:

- Completion of 12 college-level credits with minimum grades of 2.0 shown on the LCC transcript (including transfer, if applicable), or
- Employment in the field of, or a field related to, the degree being sought

Students wishing to waive ACAD 100 should contact their advisor.

Students considering future transfer, choose MATH 119, MATH 120, MATH 126, or STAT 170.

**Major Required Courses, Limited Choice – Humanities and Fine Arts or Social Sciences or Applied Social Sciences** - *Select one as recommended or select one from [LCC General Education Applied Degrees](#): Humanities and Fine Arts or Social Sciences or Applied Social Sciences. A minimum grade of 2.0 is required for General Education courses.*

Course Code	Course Title	Credit / Billing Hours
GEOG 200	World Regional Geography	4 / 4
MGMT 234	Diversity in the Workplace	3 / 3
SOCL 120	Introduction to Sociology	4 / 4

Note: Students considering future transfer, choose GEOG 200 or SOCL 120.

**Major Required Courses, Limited Choice – Natural Sciences or Applied Sciences and Technology Lab** - *Select one as recommended or select one from [LCC General Education Applied Degrees](#): Natural Sciences or Applied Sciences and Technology Lab. A minimum grade of 2.0 is required for General Education courses.*

Course Code	Course Title	Credit / Billing Hours
BIOL 120	Environmental Science	4 / 6
CHEM 135	Chemistry in Society	4 / 5
PHYS 120	The Art of Physics	4 / 5
PHYS 200	Intro to Applied Physics	4 / 5
PHYS 221	Introductory Physics I	4 / 6

**Major Required Courses, Limited Choice – Select one**

Course Code	Course Title	Credit / Billing Hours
BLDT 120	Structural Framing	4 / 6
BLDT 140	Building Interior Construction	4 / 6
CIVL 120	Surveying	4 / 6
DCTM 220	BIM for Construction	4 / 6
ELTE 110	Practical Electricity	4 / 6
HVAC 100	Fundamentals of HVAC	3 / 3

### **General Education - Applied Degrees**

- English Composition or Applied English  
Major Required Courses will meet this requirement.
- English Composition (second course)/Communication or Applied Communication  
Major Required Courses will meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences  
Major Required Limited Choice Courses will meet this requirement.
- Mathematics or Applied Mathematics  
Major Required Courses will meet this requirement.
- Natural Sciences Lab or Applied Sciences and Technology Lab  
Major Required Limited Choice Courses will meet this requirement.

## Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 60-credit minimum required for an Associate Degree may select any course(s) needed to reach 60 credits, except those courses noted in number 7 in the [Institutional Requirements for Associate Degrees](#). Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

## Minimum Total Credit Hours

64 credits / 80 billing hours

## Recommended Course Sequence

Semester I (Fall)
ACAD 100
ARCH 113
DCTM 100 – Milestone course
DCTM 102
MATH 115 or MATH 119 or MATH 120 or MATH 126 or STAT 170

Semester II (Spring)
ACCG 101
BLDT 130
DCTM 103 – Milestone course
ENGL 121 or ENGL 124 or ENGL 127 or ENGL 131

Semester III (Summer)
COMM 110 or COMM 120 or COMM 130 or COMM 200 or COMM 240 or COMM 260 or ENGL 122 or ENGL 132
Limited Choice – Natural Sciences Lab or Applied Sciences and Technology Lab

Semester IV (Fall)
DCTM 101
DCTM 200
DCTM 210
LEGL 215
Limited Choice (Fall courses) as needed

Semester V (Spring)
BLDT 150
BLDT 160
DCTM 201
Limited Choice – Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Limited Choice (Spring courses) as needed

*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 titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.*