



Construction Management A.A.S.

Career Community: Building and Construction Trades

Curriculum Code: 1634

Effective: Fall 2023 – Summer 2028

Description

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 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.

General Education - Applied Degrees, Recommended Courses

(For the full list of options, see [General Education](#))

- English Composition or Applied English – *Select one*
ENGL 121, Composition I, 4 credits / 4 billing hours
ENGL 124, Technical Writing, 3 credits / 3 billing hours

- English Composition (second course)/Communication or Applied Communication – *Select one*
COMM 130, Fundamentals Public Speaking, 3 credits / 3 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*
MGMT 234, Diversity in the Workplace, 3 credits / 3 billing hours
- Mathematics or Applied Mathematics – *Select one*
MATH 115, Technical Math II, 4 credits / 4 billing hours
MATH 120, College Algebra, 4 credits / 4 billing hours
- Natural Science Lab or Applied Science and Technology Lab – *Select one*
PHYS 200, Intro to Applied Physics, 4 credits / 5 billing hours
PHYS 221, Introductory Physics I, 4 credits / 6 billing hours

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
BLDT 130	Building Exterior Construction	4 / 6
BLDT 150	Intro Masonry/Concrete Const	4 / 6
BLDT 160	Steel Framing	4 / 6
DCTM 100	Intro to the Built Environment	3 / 4
DCTM 101	Drafting/Intro to CAD	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
LEGL 215	Business Law-Basic Principles	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 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

Minimum Total Credit Hours

64 credits / 80 billing hours

Recommended Course Sequence

Semester I (Fall)
Gen Ed – Mathematics or Applied Mathematics
ARCH 113
DCTM 100 – Milestone course
DCTM 102

Semester II (Spring)
Gen Ed – English Composition or Applied English
ACCG 101
DCTM 103 – Milestone course
BLDT 130

Semester III (Summer)
Gen Ed - English Composition (second course)/Communication or Applied Communication
Gen Ed – 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)
Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences
BLDT 150
BLDT 160
DCTM 201
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 title changes, and make course changes as needed, without prior notice.