

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Building Construction
Associate in Applied Science Degree

Curriculum Code: 1766 (Effective Fall 2016 – Summer 2021)

The Building Construction Degree is designed to prepare students to work as entry-level foremen, superintendents, project managers, estimating/scheduling assistants, as well as laborers (masons, concrete construction, and carpenters). Building Construction professionals plan, direct, or coordinate activities related to the construction and maintenance of buildings and infrastructure. This curriculum incorporates elements required for home construction, renovation work, and small scale commercial 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 related to one of six construction focus areas (masonry, concrete, framing, doors/windows/siding, roofing, and interior installation/finishes).

PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

INFORMATION

Contact the Building Construction Technologies Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: <http://www.lcc.edu/design/>) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS

TOTAL: 42 CREDITS

CODE	TITLE	CREDIT HOURS
BLDT 120	Structural Framing (See Note 1)	4
BLDT 130	Building Exterior Construction (See Note 1)	4
BLDT 140	Building Interior Construction (See Note 1)	4
BLDT 150	Intro Masonry/Concrete Const	4
BLDT 180	Builder Pre-Licensure Prep	4
DCTM 100	Intro to the Built Environment	3
DCTM 101	Drafting/Intro to CAD	3
DCTM 102	Industrial/Construction Safety (See Note 1)	2
DCTM 103	Codes and Specifications	3
DCTM 200	Construction Management I	4
ELTE 108	Practical Electricity I (See Note 1)	2
ELTE 109	Practical Electricity II (See Note 1)	2
HVAC 100	Fundamentals of HVAC	3

LIMITED CHOICE REQUIREMENTS**TOTAL: 19–26 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**TOTAL 3–4 CREDITS****CHOICE 1: Construction Related**

ARCH 113	Materials & Methods of Const.	4
ARCH 125	Environmental Systems	4
CIVL 120	Surveying	4
METS 140	Rigging (See Note 1)	3

CHOICE 2: [General Education Core Areas](#)**TOTAL 16–22 Credits**(See *General Education Core Requirements* for information on how to fulfill these requirements.

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area	3–4
Global Perspectives and Diversity Core Area	3–4
Mathematics Core Area	3–5
Science Core Area	4–5
Writing Core Area	3–4

MINIMUM TOTAL 61**NOTE:**

- Students who have already completed ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these courses may also be used as the prerequisite for BLDT 120, BLDT 130, BLDT 140, ELTE 108, ELTE 109, and METS 140.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

I	II	III	IV
BLDT 120	BLDT 130	BLDT 150	BLDT 180
DCTM 100	BLDT 140	ELTE 108	DCTM 200
DCTM 101	DCTM 103	ELTE 109	Lim.Ch.2
DCTM 102	HVAC 100	Lim.Ch.1	Lim.Ch.2
Lim.Ch.2	Lim.Ch.2	Lim.Ch.2	