



Building Construction A.A.S.

Curriculum Code: 1766

Effective: Fall 2020 – Summer 2025

Description

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).

Additional Information

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.

Contact Information

Contact the Building Construction Technologies Program at the West Campus Building, Room M103, telephone number 517-483-5338 or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

General Education - Applied Degree, Recommended Choices

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

- English Composition – *Select one*
ENGL 121, Composition I, 4 credits / 4 billing hours
- English Composition (Second Course)/Communications or Applied Communications – *Select one*
ARTS 102, Design & Communication, 3 credits / 4 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*
GEOG 200, World Regional Geography, 4 credits / 4 billing hours
SOCL 120, Introduction to Sociology, 4 credits / 4 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
STAT 170, Introduction to Statistics, 4 credits / 4 billing hours
- Natural Sciences Lab or Applied Science and Technology Lab – *Select one*
BIOL 120, Environmental Science, 4 credits / 6 billing hours

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
BLDT 120	Structural Framing	4 / 6
BLDT 130	Building Exterior Construction	4 / 6
BLDT 140	Building Interior Construction	4 / 6
BLDT 150	Intro Masonry/Concrete Const	4 / 6
BLDT 180	Builder Pre-Licensure Prep	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
ELTE 108	Practical Electricity I	2 / 3
ELTE 109	Practical Electricity II	2 / 3
HVAC 100	Fundamentals of HVAC	3 / 3

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

Course Code	Course Title	Credit / Billing Hours
ARCH 113	Materials & Methods of Const.	4 / 6
ARCH 125	Environmental Systems	4 / 4
CIVL 120	Surveying	4 / 6
METS 140	Rigging	3 / 4.5

Total Credit Hours

64-65 credits / 83-85 billing hours

Recommended Course Sequence

Semester I (Fall)	Semester II (Spring)
Gen Ed – Mathematics or Applied Mathematics BLDT 120 DCTM 100 DCTM 101 DCTM 102	Gen Ed – English Composition BLDT 130 BLDT 150 DCTM 103 HVAC 100

Semester III (Fall)	Semester IV (Spring)
Gen Ed – English Composition (Second Course)/Communications or Applied Communications BLDT 140 DCTM 200 Limited Choice	Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences Gen Ed – Natural Sciences Lab or Applied Science and Technology Lab BLDT 180 ELTE 108 (First 8 weeks) ELTE 109 (Second 8 weeks)