Building Construction A.A.S.
Curriculum Code: 1766
Effective: Fall 2021 – Summer 2026

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 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

- English Composition (Second Course)/Communications or Applied Communications – 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
  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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
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</thead>
<tbody>
<tr>
<td>BLDT 120</td>
<td>Structural Framing</td>
<td>4 / 6</td>
</tr>
<tr>
<td>BLDT 130</td>
<td>Building Exterior Construction</td>
<td>4 / 6</td>
</tr>
<tr>
<td>BLDT 140</td>
<td>Building Interior Construction</td>
<td>4 / 6</td>
</tr>
<tr>
<td>BLDT 150</td>
<td>Intro Masonry/Concrete Const</td>
<td>4 / 6</td>
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<tr>
<td>BLDT 180</td>
<td>Builder Pre-Licensure Prep</td>
<td>4 / 4</td>
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<tr>
<td>DCTM 100</td>
<td>Intro to the Built Environment</td>
<td>3 / 4</td>
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<tr>
<td>DCTM 101</td>
<td>Drafting/Intro to CAD</td>
<td>3 / 4</td>
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<tr>
<td>DCTM 102</td>
<td>Industrial/Construction Safety</td>
<td>2 / 3</td>
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<tr>
<td>DCTM 103</td>
<td>Codes and Specifications</td>
<td>3 / 3</td>
</tr>
<tr>
<td>DCTM 200</td>
<td>Construction Management I</td>
<td>4 / 6</td>
</tr>
<tr>
<td>ELTE 108</td>
<td>Practical Electricity I</td>
<td>2 / 3</td>
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<tr>
<td>ELTE 109</td>
<td>Practical Electricity II</td>
<td>2 / 3</td>
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<tr>
<td>HVAC 100</td>
<td>Fundamentals of HVAC</td>
<td>3 / 3</td>
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### Program of Study Required Courses, Limited Choice – Select one

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
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</thead>
<tbody>
<tr>
<td>ARCH 113</td>
<td>Materials &amp; Methods of Const.</td>
<td>4 / 6</td>
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<tr>
<td>ARCH 125</td>
<td>Environmental Systems</td>
<td>4 / 4</td>
</tr>
<tr>
<td>CIVL 120</td>
<td>Surveying</td>
<td>4 / 6</td>
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<tr>
<td>METS 140</td>
<td>Rigging</td>
<td>3 / 4.5</td>
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### Total Credit Hours

64-65 credits / 83-85 billing hours

### Recommended Course Sequence

#### Semester I (Fall)
- Gen Ed – Mathematics or Applied Mathematics
- BLDT 120
- DCTM 100
- DCTM 101
- DCTM 102

#### Semester II (Spring)
- Gen Ed – English Composition or Applied English
- BLDT 130
- BLDT 150
- DCTM 103
- HVAC 100

#### Semester III (Fall)
- Gen Ed – English Composition (Second Course)/Communications or Applied Communications
- BLDT 140
- DCTM 200
- Limited Choice

#### Semester IV (Spring)
- 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)