Building Construction A.A.S.
Career Community: Building and Construction Trades
Curriculum Code: 1766
Effective: Fall 2023 – Summer 2028

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).

Milestone
In addition to the required General Education courses in Math and English, completion of DCTM 100 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.

Contact Information
For further information, including career options, course substitutions and waivers, etc., 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)/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*
  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>
</tr>
<tr>
<td>BLDT 180</td>
<td>Builder Pre-Licensure Prep</td>
<td>4 / 4</td>
</tr>
<tr>
<td>DCTM 100</td>
<td>Intro to the Built Environment</td>
<td>3 / 4</td>
</tr>
<tr>
<td>DCTM 101</td>
<td>Drafting/Intro to CAD</td>
<td>3 / 4</td>
</tr>
<tr>
<td>DCTM 102</td>
<td>Construction Safety</td>
<td>2 / 3</td>
</tr>
<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 110</td>
<td>Practical Electricity</td>
<td>4 / 6</td>
</tr>
<tr>
<td>HVAC 100</td>
<td>Fundamentals of HVAC</td>
<td>3 / 3</td>
</tr>
</tbody>
</table>

**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>
</tr>
<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>
</tr>
<tr>
<td>METS 140</td>
<td>Rigging</td>
<td>3 / 4.5</td>
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**Minimum Total Credit Hours**

64 credits / 83 billing hours
### Recommended Course Sequence

#### Semester I (Fall)
- Gen Ed – Mathematics or Applied Mathematics
- BLDT 120
- DCTM 100 – Milestone course
- 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)/Communication or Applied Communication
- 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 110

*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.*