Description
The Construction Management Certificate of Achievement 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 provides students with the opportunity to add construction management competencies to another trade or technical related certificate or degree (AEET, ARCH, BLDT, CIVL, ELTE, HVAC) or to work toward completion of the Construction Management Associate in Applied Science degree. This 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 four construction focus areas (residential, heavy/civil, electrical/construction, and HVAC/mechanical construction). Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

Additional Information
Students in this program choose one subspecialty pathway to determine the courses to take each semester. Pathway options are Building Construction, Heavy/Civil Construction, Electrical Construction, and HVAC/Mechanical Construction.

Upon completion of a subspecialty, any additional subspecialty courses will not count toward the student’s enrollment level for determining financial aid eligibility.

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 to fulfill the prerequisite for ARCH 113, ELTE 108, ELTE 109, HVAC 110, and the BLDT courses.

Contact Information
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.
### Program of Study Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCG 101</td>
<td>Accounting Info for Management</td>
<td>3 / 3</td>
</tr>
<tr>
<td>ARCH 113</td>
<td>Materials &amp; Methods of Constr.</td>
<td>4 / 6</td>
</tr>
<tr>
<td>DCTM 100</td>
<td>Intro to the Built Environment</td>
<td>3 / 4</td>
</tr>
<tr>
<td>DCTM 102</td>
<td>Industrial/Construction Safety</td>
<td>2 / 3</td>
</tr>
<tr>
<td>DCTM 200</td>
<td>Construction Management I</td>
<td>4 / 6</td>
</tr>
<tr>
<td>DCTM 201</td>
<td>Construction Management II</td>
<td>4 / 6</td>
</tr>
<tr>
<td>DCTM 220</td>
<td>BIM for Construction</td>
<td>4 / 6</td>
</tr>
<tr>
<td>MGMT 234</td>
<td>Diversity in the Workplace</td>
<td>3 / 3</td>
</tr>
</tbody>
</table>

### Program of Study Required Courses for Building Construction Subspecialty

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLDT 120</td>
<td>Structural Framing</td>
<td>4 / 6</td>
</tr>
<tr>
<td>DCTM 103</td>
<td>Codes and Specifications</td>
<td>3 / 3</td>
</tr>
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</table>

### Program of Study Required Courses for Building Construction Subspecialty – Select one

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

### Program of Study Required Courses for Heavy/Civil Construction Subspecialty

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVL 120</td>
<td>Surveying</td>
<td>4 / 6</td>
</tr>
<tr>
<td>CIVL 135</td>
<td>Soils Technology</td>
<td>3 / 3</td>
</tr>
<tr>
<td>CIVL 141</td>
<td>Site Inspection</td>
<td>3 / 3</td>
</tr>
</tbody>
</table>

### Program of Study Required Courses for Electrical Construction Subspecialty

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTE 108</td>
<td>Practical Electricity I</td>
<td>2 / 3</td>
</tr>
<tr>
<td>ELTE 109</td>
<td>Practical Electricity II</td>
<td>2 / 3</td>
</tr>
<tr>
<td>ELTE 112</td>
<td>Basic Wiring Installation</td>
<td>2 / 3</td>
</tr>
<tr>
<td>ELTE 141</td>
<td>National Electrical Code I</td>
<td>4 / 4</td>
</tr>
</tbody>
</table>

### Program of Study Required Courses for HVAC/Mechanical Subspecialty

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit / Billing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC 100</td>
<td>Fundamentals of HVAC</td>
<td>3 / 3</td>
</tr>
<tr>
<td>HVAC 110</td>
<td>Applied Electricity I</td>
<td>3 / 4</td>
</tr>
<tr>
<td>HVAC 120 or</td>
<td>Heating I or Air Conditioning</td>
<td>3 / 4</td>
</tr>
<tr>
<td>HVAC 130</td>
<td></td>
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</table>
Total Credit Hours
36-38 credits / 48-52 billing hours

Recommended Course Sequence

<table>
<thead>
<tr>
<th>Semester I (Fall)</th>
<th>Semester II (Spring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 113</td>
<td>DCTM 201</td>
</tr>
<tr>
<td>DCTM 100</td>
<td>DCTM 220</td>
</tr>
<tr>
<td>DCTM 102</td>
<td>Subspecialty Course(s)</td>
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<tr>
<td>DCTM 200</td>
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</table>

<table>
<thead>
<tr>
<th>Semester III (Fall)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCG 101</td>
</tr>
<tr>
<td>MGMT 234</td>
</tr>
<tr>
<td>Subspecialty Course(s)</td>
</tr>
</tbody>
</table>