The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

**Construction Management and Inspection**  
*Statewide Program of Study*

The Construction Management and Inspection program of study explores the occupations and educational opportunities associated with cost estimates for construction projects or services to aid management in bidding on or determining the price of products or services. This program of study may also include exploration into inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.

### Secondary Courses for High School Credit

**Level 1**
- Principles of Construction

**Level 2**
- Building Maintenance Technology I
- Construction Management I

**Level 3**
- Building Maintenance Technology II
- Construction Management II

**Level 4**
- Practicum in Construction Management
- Career Preparation I

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities
- Shadow a building inspector or cost estimator
- Participate in SkillsUSA

#### Work-Based Learning Activities
- Intern with a construction company
- Shadow a project manager or inspector

### Industry-Based Certifications
- Certified Associate in Project Management (CAPM)
- HBI Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- LEED Green Associate
- NCCER Construction Site Safety Technician
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Weatherization Technician Level I
- Residential Plans Examiner - R3
- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunsetting 8/31/24

### Postsecondary Opportunities

#### Associates Degrees
- Construction Engineering Technology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

#### Bachelor’s Degrees
- Construction Engineering Technology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

#### Master’s, Doctoral, and Professional Degrees
- Materials Engineering
- Business Administration and Management, General
- Mechanical Engineering
- Manufacturing Engineering

### Aligned Occupations

<table>
<thead>
<tr>
<th>Occupations</th>
<th>Median Wage</th>
<th>Annual Openings</th>
<th>% Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction and Building Inspectors</td>
<td>$53,914</td>
<td>983</td>
<td>17%</td>
</tr>
<tr>
<td>Cost Estimators</td>
<td>$63,939</td>
<td>2,239</td>
<td>21%</td>
</tr>
<tr>
<td>Construction Managers</td>
<td>$87,402</td>
<td>2,401</td>
<td>14%</td>
</tr>
</tbody>
</table>

Successful completion of the Construction Management and Inspection program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022
## Construction Management and Inspection
### Course Information

### Level 1

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>SERVICE ID</th>
<th>PREREQUISITES</th>
<th>COREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Construction</td>
<td>13004220 (1 credit)</td>
<td>None</td>
<td>None</td>
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</table>

### Level 2

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>SERVICE ID</th>
<th>PREREQUISITES</th>
<th>COREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Maintenance Technology I</td>
<td>13005400 (2 credits)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Construction Management I</td>
<td>13004900 (2 credits)</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

### Level 3

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>SERVICE ID</th>
<th>PREREQUISITES</th>
<th>COREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Maintenance Technology II</td>
<td>13005500 (2 credits)</td>
<td>Building Maintenance Technology</td>
<td>None</td>
</tr>
<tr>
<td>Construction Management II</td>
<td>13005000 (2 credits)</td>
<td>Construction Management I</td>
<td>None</td>
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</tbody>
</table>

### Level 4

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>SERVICE ID</th>
<th>PREREQUISITES</th>
<th>COREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicum in Construction Management</td>
<td>13006200 (2 credits) 13006205 (3 credits) 13006210 (2 credits) 13006215 (3 credits)</td>
<td>Construction Management II</td>
<td>None</td>
</tr>
<tr>
<td>Career Preparation I</td>
<td>12701300 (2 credits) 12701305 (3 credits)</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

For additional information on the architecture and construction career cluster, please contact: CTE@tea.texas.gov

https://tea.texas.gov/cte

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Further nondiscrimination information can be found at Notification of Nondiscrimination in Career and Technical Education Programs.