Construction Technologies Career Pathway

Start Pre-Construction
As early as grade 7
(based on readiness)

Excavator
Median Salary: $36,900
Job Growth (10 yr): 0.6%
Annual Openings: 54
Average Tuition (1 yr): $0 – $3,900/yr

Operating Engineer
Median Salary: $44,430
Job Growth (10 yr): 12.1%
Annual Openings: 421
Average Tuition (1 yr): $0 – $3,900/yr

Project Supervisor
Median Salary: $57,500
Job Growth (10 yr): 14.8%
Annual Openings: 457
Average Tuition (2 yrs): $3,900/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience
--- Work

Supervised Experience
Internship
--- Work

Internship
--- Work

Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.

Ohio In-demand Occupations
Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.
# Construction Technologies Career Pathway

**Secondary Pathway:** **Structural Systems**  
**Postsecondary Program:** **Construction Management**

## An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>7 8</th>
<th>9 10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English I</strong></td>
<td><strong>Algebra I</strong></td>
<td><strong>Physical Science</strong></td>
<td><strong>Social Studies</strong></td>
<td><strong>Fine Arts</strong></td>
</tr>
<tr>
<td><strong>Core &amp; Sustainable Construction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year 1</strong></td>
<td><strong>Year 2</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1st Semester</strong></td>
<td><strong>2nd Semester</strong></td>
<td><strong>1st Semester</strong></td>
<td><strong>2nd Semester</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Year 1</strong></td>
<td><strong>Business Basic CAD Quantity Survey OSHA 30-hour Safety &amp; Health Basic Mechanical Drafting Safety &amp; Loss Prevention Environmental Science</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Postsecondary Program: Construction Management

### Year 1

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td><strong>College Seminar Construction Documents Construction Methods Construction Material Science Construction Drawings</strong></td>
</tr>
<tr>
<td><strong>Business</strong></td>
<td><strong>Basic CAD Quantity Survey OSHA 30-hour Safety &amp; Health Basic Mechanical Drafting Safety &amp; Loss Prevention Environmental Science</strong></td>
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</table>

### Year 2

<table>
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<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
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</table>

### High School Career-Technical Education Program Courses

- **High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses**
- **Required Courses**
- **Recommended Electives**

*Visit education.ohio.gov/CareerConnections for reference information.*

Course titles and sequences will vary between schools.

1/2016