Construction Technologies
Career Pathway

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

Electrician Apprentice
Median Salary: $26,410
Job Growth (10 yr): 14.3%
Annual Openings: 839
Average Tuition (1 yr): $0 – $3,900/yr

Professional Electrician
Median Salary: $44,330
Job Growth (10 yr): 14.3%
Annual Openings: 839
Average Tuition (2 yrs): $3,900/yr

Crew Leader
Median Salary: $57,500
Job Growth (10 yr): 14.8%
Annual Openings: 457
Average Tuition (4 yrs): $9,600/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience
Internship
---
Work

Supervised Experience
---
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.

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:** Mechanical, Electrical and Plumbing

**Postsecondary Program:** Electrical Trades

#### An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>English Composition I</td>
<td>College Algebra</td>
</tr>
<tr>
<td>1</td>
<td>Industrial Computing</td>
<td>CAD</td>
</tr>
<tr>
<td>2</td>
<td>Interpersonal Communication</td>
<td>HVAC I</td>
</tr>
<tr>
<td>2</td>
<td>Industrial Electronics</td>
<td>Motors &amp; Controls</td>
</tr>
</tbody>
</table>

#### Postsecondary Courses

<table>
<thead>
<tr>
<th>Year 1 1st Semester</th>
<th>Year 1 2nd Semester</th>
<th>Year 2 1st Semester</th>
<th>Year 2 2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>Electrical Prints &amp; Troubleshooting</td>
<td>Instrumentation &amp; Controls</td>
<td>Industrial Fluid Power II</td>
</tr>
<tr>
<td>Psychology</td>
<td>Psychology</td>
<td>Psychology</td>
<td>Psychology</td>
</tr>
</tbody>
</table>

#### High School Career-Technical Education Program Courses

<table>
<thead>
<tr>
<th>High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
</tr>
<tr>
<td>Recommended Electives</td>
</tr>
</tbody>
</table>

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

Course titles and sequences will vary between schools.

11/2014