Construction Technologies
Career Pathway

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

Line Technician
Median Salary: $41,890
Job Growth (10 yr): 11.8%
Annual Openings: 119
Average Tuition (1 yr): $0 – $3,900/yr

Installation Technician
Median Salary: $50,160
Job Growth (10 yr): 10.4%
Annual Openings: 202
Average Tuition (2 yrs): $3,900/yr

Telecommunication Manager
Median Salary: $91,710
Job Growth (10 yr): 15.7%
Annual Openings: 313
Average Tuition (4 yrs): $9,600/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience
Internship
---
Work

Supervised Experience
---
Work

Internship
---
Work

Bachelor's Degree,
Network and Systems Administration

Certificate

Associate Degree,
Telecommunications

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.

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.
Secondary Pathway: **Mechanical, Electrical and Plumbing**

Postsecondary Program: **Telecommunications**

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

<table>
<thead>
<tr>
<th>Secondary</th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Semester</td>
<td>2nd Semester</td>
</tr>
<tr>
<td>7 8</td>
<td>English I</td>
<td>English Composition I</td>
</tr>
<tr>
<td></td>
<td>Algebra I</td>
<td>Circuit Analysis I</td>
</tr>
<tr>
<td></td>
<td>Physical Science</td>
<td>Digital Systems I</td>
</tr>
<tr>
<td></td>
<td>Social Studies</td>
<td>Networking Systems I</td>
</tr>
<tr>
<td></td>
<td>Fine Arts</td>
<td>Networking Systems I</td>
</tr>
<tr>
<td></td>
<td>Core &amp; Sustainable Construction</td>
<td>Electronic Circuits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>2nd Semester</td>
</tr>
<tr>
<td>English III</td>
<td>English IV</td>
</tr>
<tr>
<td>Algebra II</td>
<td>Trigonometry/Calculus</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>U.S. History</td>
<td>U.S. Government</td>
</tr>
<tr>
<td>Tele-communication/ Low Voltage</td>
<td>Alternative Power Generation</td>
</tr>
<tr>
<td>Construction Electrical Systems</td>
<td>Powerline/High-Voltage Power</td>
</tr>
<tr>
<td>World Languages</td>
<td>World Languages</td>
</tr>
</tbody>
</table>

### High School Career-Technical Education Program Courses

**High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses**

#### Required Courses

- English Composition I
- College Algebra
- Circuit Analysis I
- Digital Systems I
- Networking Systems I
- Psychology
- Calculus
- Circuit Analysis II
- Tele-communication
- Networking Systems II
- Electronic Circuits

#### Recommended Electives

- Communication Trans Concepts
- Data Communication
- Fiber Optics

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

Course titles and sequences will vary between schools.