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

Mold Operator
Median Salary: $28,420
Job Growth (10 yr): 1.5%
Annual Openings: 166
Average Tuition (1 yr): $0 – $3,900/yr

Production Technician
Median Salary: $57,150
Job Growth (10 yr): 1.5%
Annual Openings: 70
Average Tuition (2 yrs): $3,900/yr

Manufacturing Engineer
Median Salary: $70,940
Job Growth (10 yr): 2.7%
Annual Openings: 146
Average Tuition (4 yrs): $9,600/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience
---
Work

Supervised Experience
Internship
---
Work

Internship
---
Work

Ohio In-demand Occupations

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.
An Example of Courses with Secondary and Postsecondary Credits

<table>
<thead>
<tr>
<th>Secondary</th>
<th>Postsecondary</th>
</tr>
</thead>
</table>

### Secondary

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>7, 8</td>
<td>English I, Algebra I, Physical Science, Social Studies, Fine Arts, Pre-Engineering Technologies</td>
<td></td>
</tr>
<tr>
<td>9, 10</td>
<td>English II, Geometry, Biology, World History, Health (.5), PE (.5), Manufacturing Operations, World Languages</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>English IV, Trigonometry/Calculus, Physics, U.S. Government, Computer Integrated Manufacturing, Robotics</td>
<td></td>
</tr>
</tbody>
</table>

### Postsecondary

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
</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.