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

Machinist
Salary: $37,800
Job Growth (10 yr): 7.5%
Annual Openings: 685
Average Tuition: $0 - $4,000

Engineering Technician
Salary: $44,000
Job Growth (10 yr): 20%
Annual Openings: 217
Average Tuition (2 yr): $7,600

Quality Analyst Engineer
Salary: $70,000
Job Growth (10 yr): 11%
Annual Openings: 106
Average Tuition (4 yr): $39,700

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

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

HometownOpportunity.com
### Secondary Pathway: Engineering

### Postsecondary Program: Mechanical Engineering Technology

#### Courses with Secondary & Post-Secondary Credits

<table>
<thead>
<tr>
<th>Year 1 1st Semester</th>
<th>English</th>
<th>College Seminar</th>
<th>Calculus I</th>
<th>Chemistry I</th>
<th>General Physics</th>
<th>Math for Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 2nd Semester</td>
<td>English</td>
<td>Calculus II</td>
<td>Chemistry II</td>
<td>Into to Engineering Design</td>
<td>Principles of Engineering</td>
<td>Social/Behavioral Science Elec.</td>
</tr>
<tr>
<td>Year 2 1st Semester</td>
<td>Calculus III</td>
<td>Robotics (CIM)</td>
<td>Digital Technology</td>
<td>Digital Electronics</td>
<td>Social/Behavioral Science Elec.</td>
<td>Arts &amp; Humanities Elective</td>
</tr>
<tr>
<td>Year 2 2nd Semester</td>
<td>Arts &amp; Humanities Elective</td>
<td>Arts &amp; Humanities Elective</td>
<td>Social/Behavioral Science Elec.</td>
<td>Engineering Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### High School CTE 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>