Health Science Career Pathway

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

Pharmacy Technician
- Median Salary: $26,740
- Job Growth (10 yr): 19.5%
- Annual Openings: 541
- Average Tuition (1 yr): $0 – $3,900/yr

Chemist
- Median Salary: $64,180
- Job Growth (10 yr): 0.6%
- Annual Openings: 102
- Average Tuition (4 yrs): $9,600/yr

Pharmacist
- Median Salary: $114,520
- Job Growth (10 yr): 15.1%
- Annual Openings: 478
- Average Tuition (4 yrs): $31,500/yr

Workplace Visits
- Job Shadow
- Internship

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.

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></th>
<th></th>
<th></th>
<th></th>
<th>Postsecondary</th>
<th></th>
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<tbody>
<tr>
<td>7 8</td>
<td>English I</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Health Science &amp; Technology</td>
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<tr>
<td>9 10</td>
<td>English II</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
<td>Health (.5) PE (.5)</td>
<td>Principles of Biomedical Technology</td>
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<tr>
<td>11</td>
<td>English III</td>
<td>Algebra II</td>
<td>Chemistry</td>
<td>U.S. History</td>
<td>Human Pathophysiology</td>
<td>World Languages</td>
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<td>12</td>
<td>English IV</td>
<td>Trigonometry/Calculus</td>
<td>Anatomy &amp; Physiology</td>
<td>U.S. Government</td>
<td>Biochemistry of Health</td>
<td>Genetics of Disease</td>
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<td><strong>Postsecondary</strong></td>
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</tr>
<tr>
<td><strong>Year 1</strong></td>
<td><strong>1st Semester</strong></td>
<td>English Composition</td>
<td>Statistics I</td>
<td>Chemistry I</td>
<td>Chemical Technology I</td>
<td>Social Science Elective</td>
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<tr>
<td><strong>Year 1</strong></td>
<td><strong>2nd Semester</strong></td>
<td>Statistics II</td>
<td>Calculus I</td>
<td>Chemistry II</td>
<td>Chemical Technology II</td>
<td>Bio-Organic Chemistry</td>
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<tr>
<td><strong>Year 2</strong></td>
<td><strong>1st Semester</strong></td>
<td>Composition II</td>
<td>Public Speaking</td>
<td>Calculus II</td>
<td>Analytical Chemistry</td>
<td>Biology I</td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td><strong>2nd Semester</strong></td>
<td>Capstone</td>
<td>Social Science Elective</td>
<td>Calculus III</td>
<td>Instrumental Analysis</td>
<td>Biology II</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**
- **Recommended Electives**

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

Course titles and sequences will vary between schools.

11/2014