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

Environmental Technician
Median Salary: $51,500
Job Growth (10 yr): 12%
Annual Openings: 17
Average Tuition (1 yr): $0 – $3,900/yr

Environmental Specialist
Median Salary: $67,770
Job Growth (10 yr): 12%
Annual Openings: 108
Average Tuition (4 yrs): $9,600/yr

Natural Sciences Manager
Median Salary: $108,540
Job Growth (10 yr): 6.4%
Annual Openings: 72
Average Tuition (2 yrs): $11,300/yr

Workplace Visits
Job Shadow
Internship
Work

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._
**Agriculture and Environmental Systems Career Pathway**

**Secondary Pathway:** Natural Resource Management  
**Postsecondary Program:** Environmental Science

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

<table>
<thead>
<tr>
<th>Secondary</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I</td>
<td>Algebra I</td>
<td>Physical Science</td>
<td>Social Studies</td>
<td>Fine Arts</td>
<td>Ag, Food, &amp; Natural Resources</td>
<td>Natural Resources</td>
</tr>
<tr>
<td>English II</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
<td>Health (.5) PE (.5)</td>
<td>Environmental Science</td>
<td>World Languages</td>
</tr>
<tr>
<td>English III</td>
<td>Algebra II</td>
<td>Chemistry</td>
<td>U.S. History</td>
<td>Environmental Systems Management</td>
<td>Forestry &amp; Woodland Ecosystems</td>
<td>World Languages</td>
</tr>
<tr>
<td>English IV</td>
<td>Trigonometry/Calculus</td>
<td>Physics</td>
<td>U.S. Government</td>
<td>Park &amp; Recreational Management</td>
<td>Urban Forestry</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Postsecondary</th>
<th>Year 1 1st Semester</th>
<th>English Composition I</th>
<th>Biology I</th>
<th>College Algebra</th>
<th>Intro to Environmental Science</th>
<th>Environmental Laws &amp; Regulations</th>
<th>Health &amp; Safety for Water Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 2nd Semester</td>
<td>Technical Writing</td>
<td>Chemistry I</td>
<td>Physical Geology</td>
<td>Environmental Aspects of Soils</td>
<td>Environmental Site Assessment</td>
<td>Pollution Control</td>
<td>Drinking Water Treatment</td>
</tr>
<tr>
<td>Year 2 1st Semester</td>
<td>Introduction to Psychology</td>
<td>Hazardous Materials Management</td>
<td>Environmental Hydrology</td>
<td>Environmental Sampling</td>
<td>Safety &amp; Loss Prevention</td>
<td>OSHA General Industrial Safety &amp; Health</td>
<td></td>
</tr>
<tr>
<td>Year 2 2nd Semester</td>
<td>Cultural Anthropology</td>
<td>Environmental Analytical Methods</td>
<td>Applied Environmental Engineering</td>
<td>Air Pollution &amp; Monitoring</td>
<td>Environmental Restoration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### High School Career-Technical Education Program Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Recommended Electives</th>
</tr>
</thead>
</table>

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

Course titles and sequences will vary between schools.

4/2015