Agriculture and Environmental Systems Career Pathway

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

Water Plant Operator
Median Salary: $43,400
Job Growth (10 yr): 4.4%
Annual Openings: 138
Average Tuition (1 yr): $0 – $3,900/yr

Water Plant Manager
Median Salary: $52,940
Job Growth (10 yr): -0.2%
Annual Openings: 400
Average Tuition (2 yr): $3,900/yr

Utilities Director
Median Salary: $81,100
Job Growth (10 yr): 14%
Annual Openings: 39
Average Tuition (4 yr): $9,600/yr

Certificate, Water Technician

Associate Degree, Environmental Science

Bachelor's Degree, Environmental Engineering

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience
---
Work

Supervised Experience
---
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.

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.
### 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>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Year 6</th>
<th>Year 7</th>
<th>Year 8</th>
<th>Year 9</th>
<th>Year 10</th>
<th>Year 11</th>
<th>Year 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td>2nd Semester</td>
<td>1st Semester</td>
<td>2nd Semester</td>
<td>1st Semester</td>
<td>2nd Semester</td>
<td>1st Semester</td>
<td>2nd Semester</td>
<td>1st Semester</td>
<td>2nd Semester</td>
<td>1st Semester</td>
<td>2nd Semester</td>
</tr>
<tr>
<td>English Composition I</td>
<td>Biology I</td>
<td>College Algebra</td>
<td>Public Speaking</td>
<td>Wastewater Treatment</td>
<td>Environmental Science</td>
<td>Environment Management</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>Hydraulics &amp; Pneumatics</td>
</tr>
<tr>
<td>English Composition II</td>
<td>Biology II</td>
<td>Environmental Sustainability</td>
<td>Water Resources</td>
<td>Environmental Field Biology</td>
<td>Environment Management</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>Hydraulics &amp; Pneumatics</td>
<td></td>
</tr>
<tr>
<td>Introduction to Psychology</td>
<td>Chemistry I</td>
<td>Trigonometry</td>
<td>Water Collection</td>
<td>Water Distribution</td>
<td>Environment Management</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>Hydraulics &amp; Pneumatics</td>
<td></td>
</tr>
<tr>
<td>Technical Writing</td>
<td>Utility Management</td>
<td>Statistics</td>
<td>Environmental Policy, Law &amp; Ethics</td>
<td>Environment Management</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>World Languages</td>
<td>Environmental Science</td>
<td>Hydraulics &amp; Pneumatics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**High School Career-Technical Education Program Courses**

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

Course titles and sequences will vary between schools.