**Career Cluster**: Agriculture, Food and Natural Resources  
**Career Cluster Pathway**: Environmental Service Systems  
**CTE Program**: Environmental Water and Reclamation Technology (8007300)  
Academy of Coastal and Water Resources – St. Johns Technical High School  
**Industry Certification**: Water Treatment Plant Operator Level C (FLDEP006), Wastewater Treatment Plant Operator Level C (FLDEP003); CPR  

### 16 CORE CURRICULUM CREDITS

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>OTHER REQUIRED COURSES</th>
<th>PHYSICAL EDUCATION</th>
<th>CAREER AND TECHNICAL EDUCATION COURSES</th>
<th>RECOMMENDED ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 credits</td>
<td>4 credits</td>
<td>3 credits, 2 with lab</td>
<td>3 credits</td>
<td>Fine ARTS (1 credit)</td>
<td>(1 credit)</td>
<td>HOPE – Health Opportunities through Physical Education</td>
<td>(ALIGNED WITH COMMUNITY COLLEGE &amp; STATE UNIVERSITY SYSTEM PROGRAMS)</td>
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### 8 ADDITIONAL CREDITS

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<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
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<tbody>
<tr>
<td>English 1</td>
<td>Science/Math Prep</td>
<td>Physical Science</td>
<td>World Geography</td>
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<tr>
<td>English 2</td>
<td>Geometry</td>
<td>Biology</td>
<td>World History</td>
</tr>
<tr>
<td>English 3</td>
<td>Liberal Arts Math</td>
<td>Earth Science</td>
<td>American History</td>
</tr>
<tr>
<td>English 4</td>
<td>Algebra II (optional)</td>
<td>Chemistry (optional)</td>
<td>American Government .5 +</td>
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</table>

### Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

**TECHNICAL CENTER PROGRAM(S)**

- Florida Gateway College, Lake City – Water Quality Technician College Certificate  
- University of Florida, Training, Research and Education of Environmental Occupations Center (TREEO), - Continuing Education Units and Certificate of Completion in: Water, Wastewater, Water Conservation, Health and Safety

**COMMUNITY COLLEGE PROGRAM(S)**

- Florida Gateway College, Lake City – AS in Environmental Science Technology
- Florida State College of Jacksonville – AS in Environmental Science Technology

**UNIVERSITY PROGRAM(S)**

- University of North Florida, Jacksonville – Coastal Env. Sci
- Flagler College, St. Augustine – Coastal Environmental Science  
- University of Florida, Gainesville – Environmental Engineering, Environmental Management in Agriculture and Natural Resources, Environmental Science  
- Florida State University, Tallahassee – Environmental Science and Policy

### Sample Career Specialties – Careers from the Targeted Occupations List are in bold.

- Water Treatment Plant Operator, Water Treatment Technician, Water Quality Technician  
- Environmental Engineering Technician, Environmental Science Technician, Water Treatment Plant Operator, Wastewater Treatment Plant Operator, Water Distribution Plant Operator  
- Environmental Water/Wastewater Engineer, Environmental Restoration Planner, Environmental Engineer, Environmental Scientist, Environmental Compliance Inspector

### Articulation and CTE Dual Enrollment Opportunities

**Secondary to Technical Center (PSAV)**

- (Minimum # of clock hours awarded)  
- Florida Gateway College, Lake City, FL - Water Quality Technician  
- Intro to Env. Water Tech to EVS1026-4 credit hrs*  
- Inter. Env. Water Tech to EVS2005 – 4 credit hrs*  
- Adv. Environ. Water Tech to EVS2931 – 4 credit hrs*  
- FL DEP Water Treatment Plan Operator C to EVS 2931 – 4 credit hrs  
- * Must get 3.0 or better in high school course. Must take FGC exam for credit.

**Secondary to College Credit Certificate or Degree**

- (Minimum # of clock or credit hours awarded)  
- Florida Gateway College, Lake City, FL - A.S. in Environmental Science Technology  
- Intro to Env. Water Tech to EVS1026-4 credit hrs*  
- Inter. Env. Water Tech to EVS2005 – 4 credit hrs*  
- Adv. Environ. Water Tech to EVS2931 – 4 credit hrs*  
- FL DEP Water Treatment Plan Operator C to EVS 2931 – 4 credit hrs  
- * Must take FGC exam for credit  
- NA

### Career and Technical Student Association

- Future Farmers of America

### Internship/Work Experience Recommendations

Career Academy students may apply for summer internships after their junior year.