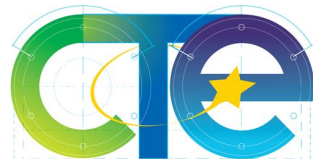




BREVARD PUBLIC SCHOOLS CAREER & TECHNICAL EDUCATION



Environmental Water & Reclamation Technology

CERTIFICATES

Water Treatment Operator Level C

Wastewater Treatment Operator Level C

PROGRAM HIGHLIGHTS

Here are just some of the skills students will possess after successfully completing the program:

- Identify scientific concepts common in water and wastewater treatment, safety hazards associated with water technologies, federal, state, and local regulations for the handling, storage, and use of toxic and hazardous materials.
- Understand pumping and basic hydraulic principles, principles of disinfection, sampling techniques, and federal, state, and local regulations that apply to water technologies.
- Demonstrate employability skills.
- Identify sampling techniques and explain the significance of the steps.
- Identify chemical, biological, and physical constituents of water entering the water treatment facility or distribution systems.
- Describe the principles, operational and troubleshooting practices of the aeration, mixing, coagulation, flocculation, sedimentation, filtration, corrosion, taste and odor control processes.
- Understand equipment inspection, and identify basic maintenance for the treatment train, treatment residuals disposal, and solids management.
- List the components of Florida's fresh water systems (lakes, ground water, aquifer, springs, rivers, and wetlands) and explain the importance of managing these resources.

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