


Career Cluster: Agriculture, Food and Natural Resources				CTE Program: Environmental Water and Reclamation Technology (8007300) Academy of Coastal & Water Resources – St. Johns Technical High School				
Career Cluster Pathway: Environmental Service Systems				Industry Certification: Water Treatment Plant Operator Class C & D (FLDEP006 & FLDEP007), Wastewater Treatment Plant Operator Class C & D (FLDEP003 & FLDEP008)				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)		CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
	<ul style="list-style-type: none"> Students are encouraged to use mycareershines.org to explore careers and postsecondary options. Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars requirements. One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program 							
	9th	English 1	Science/Math Prep Algebra I	Physical Science	World Geography	HOPE – Health Opportunities through Physical Education	Introduction to Environmental Water Technology (8007110)	Elective
	10th	English 2	Geometry	Biology	World History	Fine or Practical Arts	Intermediate Environmental Water Technology (8007120)	Elective
11th	English 3	Liberal Arts Math	Earth Science	American History	Elective	Advanced Environmental Water Technology (8007130) or Advanced Environmental Water Reclamation Technology (8007210)	Elective	
12th	English 4	Algebra II (optional)	Chemistry(optional)	American Government .5 + Economics .5	Elective	Ag, Food & Natural Resource Directed Study (8100100)	Elective/Internship	
POST- SECONDARY	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)		COMMUNITY COLLEGE PROGRAM(S)			UNIVERSITY 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		Florida Gateway College, Lake City – AS in Environmental Science Technology Florida State College of Jacksonville – AS in Environmental Science Technology			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		
CAREER	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		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements included here)		
	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. Env. 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.		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. Env. Water Tech to EVS2931 – 4 credit hrs* FL DEP Water Treatment Plant 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.								

