


Career Cluster: Agriculture, Food, & Natural Resources (STEM)		CTE Program: Secondary: Academy of Engineering and Environmental Sciences - Natural Resources (8006200) Creekside High School, St. Johns County School District Postsecondary: FL State College at Jacksonville: Environmental Science						
Career Cluster Pathway: Natural Resource System		Industry Certification: Secondary: ArcGIS Desktop Entry (ESRIC001), LEED Green Associate (GRBCI002), Natural Resource Specialist (FLFBR010)						
		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)
HIGH SCHOOL	<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 course 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 (H)	Algebra 1 or Geometry (H)	Physical Science/Biology Honors	World Geography/AP Human Geography	HOPE – Health Opportunities through Physical Education	Introduction to Natural Resources 2 8006220	Elective or Foreign Language
	10th	English 2 (H)	Geometry (H) or Algebra 2 (H)	Biology/Chemistry (H)	World History (H/ AP)	Fine or Practical Arts	Natural Resources Tech 3 8006230	Elective or Foreign Language
	11th	English 3 (H, DE, AP)	Algebra 2 or Pre-Calculus (H)	Chemistry (H) or Physics (H)	US History (AP)	Elective	Natural Resources Management 4 8006240	AP Computer Science Principles 0200335 or Foreign Language
	12th	English 4 (H, DE, AP)	Math for College Readiness or AP/ DE Mathematics	AP/ DE Course Offerings	Economics/ US Government (H/AP/DE)	Elective	Advanced Natural Resources 5 80062250	AP Environmental Sciences 2001380 or Elective or Foreign Language
POSTSECONDARY	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)		
	University of West Florida: GIS, one year certificate program		Florida State College at Jacksonville: Environmental Science, A.S.			Jacksonville University: Biology, BS; Marine Science, BS, MS UCF: Environmental Engineering, BS UF: Civil, Coastal & Oceanographic Engineering, Environmental Engineering Sciences Electrical, Computer, Materials Science, Mechanical, Aerospace, Biomedical Engineering, BS & MA		
CAREER	Sample Career Specialties							
	GIS Technician		GPS Data technician; Environmental technician; GIS Analyst; LEED certified technician; water quality technician			Hydrogeologist; Environmental Engineer, Coastal Engineer, or Marine Biologist		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS/BS/BAS		
	N/A		NA			N/A		
Career and Technical Student Association								

School Environmental Club

Internship/Work Experience Recommendations

Career Academy students may apply for summer internships after their junior year. Sample internships job titles include: Marine Biologist Assistant

Program of Study Graduation Requirements: <http://www.fldoe.org/academics/graduation-requirements>