


<b>Career Cluster:</b> Agriculture, Food, & Natural Resources (STEM)		<b>CTE Program: Secondary: Academy of Engineering and Environmental Sciences - Natural Resources (8006200)</b> <b>Creekside High School, St. Johns County School District</b> <b>Postsecondary: FL State College at Jacksonville: Environmental Science</b>						
<b>Career Cluster Pathway:</b> Natural Resource System		<b>Industry Certification: Secondary:</b> ArcGIS Desktop Entry (ESRIC001), LEED Green Associate (GRBCI002), and AEST Natural Resources Specialist (FLFBR010)						
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> <b>FINE ARTS (1 credit)</b> <b>PHYSICAL EDUCATION (1 credit)</b>	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://mycareershines.org">mycareershines.org</a> to explore careers and postsecondary options.</li> <li>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.</li> <li>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</li> </ul>							
	<b>9<sup>th</sup></b>	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
	<b>10<sup>th</sup></b>	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
	<b>11<sup>th</sup></b>	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
	<b>12<sup>th</sup></b>	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
<b>CAREER POSTSECONDARY</b>	<b>Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	University of West Florida: GIS, one year certificate program USF Geographic Information Systems & Technologies		Florida State College at Jacksonville: Environmental Science, A.S. St. Johns River State College: Engineering Technology			USF: Environmental Science, GeoSciences, and Environmental Engineering UF: Natural Resources & Environment, and Forest Resources and Conservation UNF: Coastal Biology JU: Marine Sciences and Biology UCF: Environmental Engineering		
<b>CAREER</b>	<b>Sample Career Specialties</b>							
	GIS Technician	GPS Data technician; Environmental technician; GIS Analyst; LEED certified technician; water quality technician				Hydrogeologist; Environmental Engineer, Coastal Engineer, or Marine Biologist		
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b>			<b>PSAV/PSV to AAS or AS/BS/BAS</b>		
	N/A		NA			N/A		
<b>Career and Technical Student Association</b>								
School Environmental Club								
<b>Internship/Work Experience Recommendations</b>								
Career Academy students may apply for summer internships after their junior year.								
<b>Program of Study Graduation Requirements:</b> <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a>								