


<b>Career Cluster:</b> Information Technology (STEM)					<b>CTE Program: Secondary:</b> Academy of Emerging Technology - Cybersecurity (9001300) <b>Creekside High School, St. Johns County School District</b> <b>Postsecondary:</b> St. Johns River State College: St. Augustine: Computer Network Engineering Technology (AS) (1511100111); Internet Services Technology (AS) (1511080102) Network Security (CCC) (0511100118); Information Technology Support Specialist (CCC) 0511010311			
<b>Career Cluster Pathway:</b> Applied Cybersecurity					<b>Industry Certification: Secondary:</b> MTA Security + (MICRO077), MTA Networking Fundamentals (MICRO078), MTA Windows OS Fundamentals (MICRO076), CompTIA Security + (COMPT008) <b>Postsecondary:</b> St. Johns River State College: CompTIA A+ (COMPT001), CompTIA Network + (COMPT006), CompTIA Security + (COMPT008)			
	<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</b> (1 credit) <b>PHYSICAL EDUCATION</b> (1 credit)	<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	IT Principals 9003510	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	Computer and Network Security Fundamentals 9001320	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	Cybersecurity Essentials 9001330	AP Computer Science Principles A 0200335 or Elective 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	Operational Cybersecurity 9001340	Web Security 9001380 or Foreign Language
<b>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>		
	St. Johns River State College, St. Augustine: Information Technology Support Specialist - CCC , Network Security – CCC		St. Johns River State College: St. Augustine: Computer Engineering Technology – A.S., Internet Services Technology – A.S.			<ul style="list-style-type: none"> <li>St. Johns River State College, St. Augustine: Organization Management – Computer Operation Systems - B.S.</li> <li>University of N. Florida, Jacksonville: Computer Networking – B.S.</li> <li>University of W. Florida, Pensacola: Cybersecurity, IIT Networking – B.S.</li> <li>University of MD, Adelphi, MD: Cyber Security and Homeland Security - B.S.</li> <li>Embry Riddle Aeronautical University: Cybersecurity - Engineering, Cybersecurity Management and Policy - M.S.</li> <li>University of S. Florida: Cybersecurity - M.S.</li> </ul>		
<b>CAREER</b>	<b>Sample Career Specialties</b>							
	Network Administrator, CyberSecurity Technician, Network Infrastructure Technician <b>Computer Network Support Specialist</b>		Network Administrator, CyberSecurity Technician, <b>Computer Network Support Specialist</b>			Network Security Analyst, Computer & Information Systems Manager, <b>Computer Network Architect</b> , Network/Cybersecurity Administrator, Computer Systems Engineer, <b>Computer Network Support Specialist, Computer and Information Systems Manager</b>		
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	Secondary to Technical Center(PSAV)		Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS/BS/BAS		
	NA		CompTIA A+ = CET 1178 and CET 2179, 6 hours, in Computer Engineering Technology: Network + = CNT 2500, 3 hours, in Computer Engineering Technology			NA		
<b>Career and Technical Student Association</b>								
Future Business Leaders of America (FBLA), CyberPatriot								
<b>Internship/Work Experience Recommendations</b>								
Career Academy students may apply for summer internships after their junior year. Sample internships job titles include: Network Technician Assistant, Cybersecurity Technician Assistant								
<b>Program of Study Graduation Requirements:</b> <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a>								