


Career Cluster: Information Technology (STEM)		CTE Program: Secondary: Academy of Emerging Technology – Cybersecurity (9001300) Creekside High School, St. Johns County School District Postsecondary: 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						
Career Cluster Pathway: Applied Cybersecurity		Industry Certification: Secondary: CompTIA Tech+ (COMPT018), Information Technology Specialist (ITS) – Network Security (CERT1006), Information Technology Specialist (ITS) – Networking (CERT1007), EC Council Ethical Hacking Essentials (ICOEC011), CompTIA Security+ (COMPT008), Postsecondary: St. Johns River State College: CompTIA A+ (COMPT001), CompTIA Network+ (COMPT006), CompTIA Security+ (COMPT008)						
	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 <i>CTE (1 credit) or FINE /PRACTICAL ART (1 credit)</i> PHYSICAL EDUCATION (1 credit) PERSONAL FINANCE (.5 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 (H) or Geometry (H)	Honors Physical Science or Biology (H)	World History (H) or AP Human Geography	HOPE – Health Opportunities through Physical Education	Advanced Information Technology 9007610	Elective or Foreign Language
	10th	English 2 (H)	Geometry (H) or Algebra 2 (H)	Biology (H) or Chemistry (H)	World History (H, AP) or academic elective	CTE, Fine or Practical Arts	Computer and Network Security Fundamentals 9001320	Elective or Foreign Language
	11th	English 3 (H, DE, AP)	Algebra 2 (H) or AP Pre-Calculus	Chemistry (H) or Physics Honors or AP	US History (H, AP)	Elective	Cybersecurity Essentials 9001330	AP Computer Science Principles 0200335 or Elective or Foreign Language
	12th	English 4 (H, DE, AP)	Math for College Readiness or AP, DE Mathematics	AP Course Offerings	Economics/ US Government (H, AP, DE)	Personal Financial Literacy	Operational Cybersecurity 9001340	AP Computer Science Principles 0200335 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)		
	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"> St. Johns River State College, St. Augustine: Organization Management – Computer Operation Systems - B.S. University of N. Florida, Jacksonville: Computer Networking – B.S. University of W. Florida, Pensacola: Cybersecurity, IIT Networking – B.S. University of MD, Adelphi, MD: Cybersecurity and Homeland Security - B.S. Embry Riddle Aeronautical University: Cybersecurity - Engineering, Cybersecurity Management and Policy - M.S. University of S. Florida: Cybersecurity - M.S. 		
CAREER	Sample Career Specialties							
	Network Administrator, Cybersecurity Technician, Network Infrastructure Technician Computer Network Support Specialist	Network Administrator, Cybersecurity Technician, Computer Network Support Specialist				Network Security Analyst, Computer & Information Systems Manager, Computer Network Architect , Network/Cybersecurity Administrator, Computer Systems Engineer, Computer Network Support Specialist, Computer and Information Systems Manager		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	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		
Career and Technical Student Association								
Future Business Leaders of America (FBLA), CyberPatriots								
Internship/Work Experience Recommendations								
Career Academy students may apply for summer internships after their junior year.								
Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements								