


Career Cluster: Information Technology				CTE Program: Applied Cybersecurity 9001320				
Career Cluster Pathway: Computer Information Technology, A.S.				Industry Certification: Computing Technology Industry Assoc. Security+				
	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 fchoices.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 I	Algebra I	Physical Science	World Cultural Geography	Physical Education (1credit) (Not required for ACCEL Program)	Digital Information technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10th	English II	Geometry	Biology	World History			Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11th	English III	Algebra II	Chemistry or Marine Science.	United States History	Practical Arts or Fine Arts course (1 credit)	Computer and Network Security Fundamentals	Other elective course appropriate for student's career and education plan.
	12th	English IV	Pre-Calculus	Elective	American Government		Cybersecurity Essentials	Other elective course appropriate for student's career and education plan.
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)		
			College of Central Florida: Computer Information Technology, A.S.			University of Florida: Bachelor of Science in Computer Science Liberal Arts and Sciences B.S		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	COMPUTER SUPPORT TECHNICIAN (TOL)		COMPUTER PROGRAMMERS (TOL)			COMPUTER SYSTEMS ANALYSTS (TOL)		

CREDIT	Articulation and CTE Dual Enrollment Opportunities			
	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)		PSAV/PSV to AAS or AS/BS/BAS
		Secondary Courses/Certifications	College of Central Florida	
Career and Technical Student Association				
Skills USA				
Internship/Work Experience Recommendations				
Local Information Technology businesses.				
Program of Study Graduation Requirements: http://www.fdoe.org/academics/graduation-requirements/index.stml				