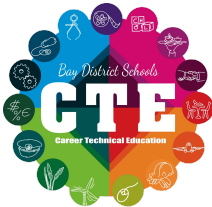


Career Cluster: Information Technology				CTE Program: Secondary: Applied Cybersecurity (9001300) Secondary Schools: Bay High School, A. Crawford Mosley High School Postsecondary: Gulf Coast State College				
Career Cluster Pathway: Applied Cybersecurity				Industry Certification: - Information Technology Specialist (ITS) - Networking (CERT1007) - Information Technology Specialist (ITS) - Device Configuration Management (CERT1009) - CompTIA Tech+ (COMPT018)				
	16.5 CORE CURRICULUM CREDITS					7.5 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits	SOCIAL STUDIES and 0.5 Credit in Personal Financial Literacy 3.5 credits	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned With Community College & State University System Programs)	
					Fine and Performing Arts, Practical Arts, Speech and Debate, Career and Technical Education 1 Credit			
					Physical Education 1 Credit			
HIGH SCHOOL	- Students are encouraged to use Xello.world 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. - FL Standard Diploma Requirements							
	9th	English 1 or English 1 Honors	Algebra I, Alg 1 Honors, Geometry, or Geometry Honors	Environmental Science, Biology, Biology Honors	Personal Finance and Money Management	Physical Education, Health	Digital Information Technology (8207310) or IT Fundamentals (900131)	Elective
	10th	English 2 or English 2 Honors	Geometry, Algebra II, or Algebra II Honors	Biology, Chemistry, Physics, Anatomy and Physiology, or (Honors Level)	World History	Elective or World Language	Computer and Network Security Fundamentals (9001320)	Elective
	11th	English 3, English 3 Honors, or AP Language	Mathematics for Data and Financial Literacy, Algebra II, Probability & Statistics Honors, or AP Pre-Calculus	Earth/Space, Chemistry, Physics, Anatomy and Physiology (or Honors Level)	U.S. History, U.S. History Honors, or APUSH	Elective or World Language	Cybersecurity Essentials (9001330)	Elective
	12th	English 4, English 4 Honors, or AP English Literature	Math for College Algebra, AP Statistics, AP	Marine Science, Physics, AP Physics, AP	Economics & United States Government	Elective or World Language	Cybersecurity Planning and Analysis (9001350)	Elective

			Pre-Calculus, or AP Calculus	Biology, or AP Chemistry				
POST SECONDARY	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)		
	Tom P. Haney Technical College: Computer Systems and Information Technology Enterprise Networking & Server Support Technology		Gulf Coast State College, Panama City: Cybersecurity Program (AS)			FSU: Information Science and Technology (BS) University of Central Florida: Computer Science (BS) University of Southern Florida: Cybersecurity (BS), Information Technology (BS)		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	- Digital Forensic Examiner - IT Auditor - Network Administrator - Cybersecurity Technician - Network Infrastructure Technician - Computer Network Support Specialist		- Security Systems Administrator - Cyber Data Analyst - Penetration Tester - Information and Assurance Engineer			- Security Engineer - Security Architect - Cryptography Engineer - Cybersecurity Manager		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements included here)		
	Dual Enrollment: Computer Systems and Information Technology		CompTIA IT Tech +articulates to: Computer Information Technology (AS), Computer Programming & Analysis (AS), Data Science Technology (AS), Network Systems Technology (AS)			No Articulation Agreement No CTE Dual Enrollment		
Career and Technical Student Association								
Future Business Leaders of America (FBLA) Business Professionals of America (BPA) Florida Technology Student Association (FL-TSA)								
Internship/Work Experience Recommendations								
Students may apply for summer internships after their junior year.								
Program of Study Graduation Requirements								