Career Cluster: Information Technology					CTE Program: Secondary: Applied Cybersecurity (9001300) Bay High School, A. Crawford Mosley High School, Bay County School District Postsecondary: Gulf Coast State College				
Career Cluster Pathway: Applied Cybersecurity					Industry Certification: Secondary: Information Technology Specialist (ITS) - Networking (CERTI007), CompTIA Tech+ (COMPT018)				
Bay District Schools Current Technical Encarion			16.5 CC	RE CURRICULU	JM 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)	
						1 Credit Fine and Performing Arts, Practical Arts, Speech and Debate, Career and Technical Education			
						1 Credit Physical Education			
	 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 								
HIGH SCHOOL	9 th	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	
	10 th	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	
	11 th	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	
	12 th	English 4, English 4 Honors, or AP English Literature	Math for College Algebra, AP Statistics, AP Pre-Calculus, or AP Calculus	Marine Science, Physics, AP Physics, AP Biology, or AP Chemistry	Economics & United States Government	Elective or World Language	Cybersecurity Planning and Analysis (9001350)	Elective	
POST SECONDARY	Based on the Career Cluster		r of interest and identified career and technical education program, the following postsecondary options are availal					ndary 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)		

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	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
CAREER	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							

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