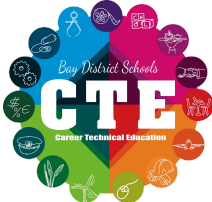


Career Cluster: Information Technology			CTE Program: Secondary: Computer Science Principles (9007600) Secondary Schools: Arnold High School Postsecondary: Gulf Coast State College					
Career Cluster Pathway: Computer Science Principles			Industry Certifications: - Certiport Information Technology Specialist (ITS) - Python (CERTI012) - Certiport Information Technology Specialist (ITS) - Java (CERTI013)					
	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 a 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	Foundations of Programming (9007210)	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	Procedural Programming (9007220) or AP Computer Science Principles (0200335)	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	Object Oriented Programming Fundamentals (9007230) or AP Computer Science A (0200320)	Elective
	12th	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	N/A	Elective

POST SECONDARY	Based on the Career Cluster of interest and the 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 & Information Technology	Gulf Coast State College, Panama City: Computer Science Option (AA)	FSU PC: Computer Programming & Applications (BA); Computer Science (BA) University of Central Florida: Computer Science (BS) University of South Florida: Computer Science (BS) University of Miami: Computer Science (BS/BA)
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	• Cloud Support Specialist • Cyber Security Analyst • Data Miner • Field Service Technician • IT Help Desk Support Specialist	• Computer Information Systems Manager • Computer Hardware Engineer • Computer Science Teacher, Postsecondary	• Software Developer • Systems Administrator • Data Scientist • Information Security Analyst • Web Developer • Database Administrator • Network Administrator
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)
	No Articulation Agreement No CTE Dual Enrollment	No Articulation Agreement No CTE Dual Enrollment	No Articulation Agreement No CTE Dual Enrollment
Career and Technical Student Association			
Future Business Leaders of America (FBLA) Business Professionals of America (BPA) Florida Student Technology Association (FL-TSA)			
Internship/Work Experience Recommendations			
Students may apply for summer internships after their junior year.			
Program of Study Graduation Requirements			