


Career Cluster: Information Technology

CTE Program: JAVA Development & Programming

Career Cluster Pathway: Programming & Software Development

Eligible Recipient: Pinellas County Schools Students

		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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
						FINE ARTS (1 cdt)		
						PHYSICAL EDUCATION (1 cdt)		
HIGH SCHOOL	Career Cluster of interest indentified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English 1 or H	Algebra 1 or H, Geometry or H	Earth/Space Science or Biology 1 or H	American Government or H	Elective	Introduction to Information Technology (counts toward Fine Arts credit)	Foreign Language
	10	English 2 or H	Geometry or H, Algebra 2 or H	Biology 1 or H; or Chemistry, H or AP	World History, H or AP	H.O.P.E	Foundations of Programming	Foreign Language
	11	English 3 or H	3rd Math Credit	3rd Science Credit	American History, H or AP	Elective	Procedural Programming	Elective
	12	English 4, H, or AP	4th Math Credit	Elective	Economics or H	Elective	Object-Oriented Programming Fundamentals	Elective
	Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
POSTSECONDARY	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. 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) Information Technology Assistant Computer Programmer Assistant Computer Programmer JAVA Programmer Associate of Arts Degree Program			UNIVERSITY PROGRAM(S) Computer Programming Computer Systems Analysis	

CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	TECHNICAL CENTER	COMMUNITY COLLEGE	UNIVERSITY
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 may be included here)
*Possible Industry Certifications (Students):			
Secondary:	MTA Software Development (Microsoft)		
Postsecondary:			