

Career Cluster: Information Technology

Program: **Business Computer Programming**

Career Cluster Pathway: Programming and Software Development

Eligible Recipient: **Pinellas County Schools Students**



16 CORE CURRICULUM CREDITS						8 ADDITIONAL CREDITS	
ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES		CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
4 credits	4 credits	3 credits, 2 with lab	3 credits	FINE ARTS (1 credit)	PHYSICAL EDUCATION (1 credit)	Major Area of Interest:	

Career Cluster of interest identified 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.

HIGH SCHOOL

9	English 1 or English 1 H	Algebra 1A or 1 or 1H or Geometry or Geometry 1H	Earth Science or Biology 1 H	American Gov't. or H	H.O.P.E.. or Fine Arts elective	Computing/College and Careers or Introduction to Information Tech.	Foreign Language
10	English 2 or English 2 H	Algebra 1B or Geometry or Algebra 2 or 2H	Biology or Chemistry 1 or 1H	World History or H	Health LMS	Computer Programming 1	Foreign Language
11	English 3 or English 3H	Geometry or Algebra 2 or Trig/Analytic Geometry	Chemistry or Career related science	American History or H or AP	H.O.P.E. or Fine Arts elective	Computer Programming 2	Elective
12	English 4 or English 4 H or AP	Algebra 2 or Trig/An. Geom or Calculus (AP) or Statistics (AP)	Physics or Career related science	Economics or H	Elective	Computer Programming 3	Elective

POSTSECONDARY

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. 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)	UNIVERSITY PROGRAM(S)
PC Support Services Computer Systems Technology	Microsoft Certified Systems Engineer (Cert)* Microsoft Cert. Systems Administrator (Cert.) Microsoft Cert. Systems Engineer (Cert) Associate of Arts Degree Program	Technology Management Information Technology Information Systems Computer Networking <i>To search for Florida schools offering these majors provided by FACTS.org, click here</i>

Possible Careers by Educational Level

Click on career title for more information. For a complete listing of occupations in this Career Cluster [click here](#)
 To see questions and answers regarding this cluster provided by Virtual-Mentor.net, [click here](#)

CAREER

TECHNICAL CENTER	COMMUNITY COLLEGE	UNIVERSITY
Network Support Technician Computer Support Specialists	Computer Information Specialist Systems Administrators	Computer Programmer Computer Software Engineers

CREDIT

Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree Computing for College and Careers	PSAV/PSV to AAS or AS to BS or BAS
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Possible Industry Certifications (Students)

High School:
 Postsecondary: