Career Cluster: Information Technology

CTE Program: Applied Cybersecurity

Career Cluster Pathway: Network Systems

Eligible Recipient: Pinellas County Schools Students

		16 CORE CURRICULUM CREDITS				8 ADDITIONAL CREDITS	
PINELLAS COUNTY SCHOOLS	**ENGLISH** 4 credits	**MATH** 4 credits	**SCIENCE** 3 credits, 2 with lab	**SOCIAL STUDIES** 3 credits	**OTHER REQUIRED COURSES** **FINE ARTS** (1 cdt) **PHYSICAL EDUCATION** (1 cdt)	**CAREER AND TECHNICAL EDUCATION COURSES**	**RECOMMENDED ELECTIVES** (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
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	IT Fundamentals or Introduction to Information Tech. (IIT satisfies Fine Arts credit requirement)	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	Computer & Network Security Fundamentals	Foreign Language
11	English 3 or H	3rd Math Credit	3rd Science Credit	American History, H or AP	Elective	Cybersecurity Essentials	Elective
12	English 4, H, or AP	4th Math Credit	Elective	Economics or H	Elective	Operational Cybersecurity	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)	UNIVERSITY PROGRAM(S)
	Network Security **Associate of Arts Degree Program**	

	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
CAREER	**TECHNICAL CENTER**	**COMMUNITY COLLEGE** **Computer Systems Analysts**	**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:	**CompTIA Security+** **MTA Security Fundamentals (Microsoft)**
Postsecondary:	