


Career Cluster: <u>Information Technology</u>					CTE Program: <u>Computer Systems & Information Technology (9001200)</u>			
Career Cluster Pathway: <u>Network Systems</u>					Industry Certification(s): COMPT001 (CompTIA A+), COMPT006 (CompTIA Network +), COMPT008 (CompTIA Security +), CISCO004 (CCNA)			
		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 FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
HIGH SCHOOL	<ul style="list-style-type: none"> Students are encouraged to begin planning for careers and postsecondary options by exploring resources at http://fldoe.org/academics/college-career-planning 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 							
	9th	English 1 or Honors (1)	Algebra 1 or Geometry Honors (1)	Earth/Space Science or Biology Honors (1)	East/West Heritage or AP Human Geography (1)	HOPE (1)	Intro to Information Tech or Required PA Elective (1)	Foreign Language 1 (1).
	10th	English 2 or Honors (1)	Geometry or Honors or Algebra 2 (1)	Biology or Chemistry Honors (1)	World History or Honors or AP (1)	.5 DL/.5 Elective Cr.	CSIT Found (1) CSIT Systems Essentials (1)	Foreign Language 2 (1)
	11th	English 3 or Honors or DE or AP (1)	Algebra 2, Pre-Calc, DE Math or AP or AICE Math (1)	Chemistry or Physics or Environmental or Marine or DE or AP (1)	American History or Honors DE or AP (1)		CSIT Network Systems Configuration (1) CSIT Network Systems Design and Administration (1)	
	12th	English 4 or English 4 for College Readiness, Dual Enrollment or AP (1)	Adv. Algebra with Finance App. or Math for College Readiness or DE or AP Math (1)	Physics or Dual Enrollment or AP (1)	American Govt/Economics or Honors or AP (1)		CSIT Cyber Security - Essentials (1) CSIT Cyber Security – Physical (1)	
POSTSECONDARY	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)		
	Charlotte Technical Center Y100200 Computer Systems and Information Technology – (900hrs)		Florida Southwester State College: AS Computer Programming and Analysis AS Networking Services Technology AS Network Systems Technology CCC Information Technology Support Specialist (18 cr) CCC Network Security (30 cr)			Information Technology, MS – Hodges Computer Science, BS – FGCU Computer Science & Information Systems, BS – USF Information Technology, BS - USF		

CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	<p>Network Specialist Network Administrator Computer Support Assistant Information Technology Assistant Network Support Help Desk Asst. Network Support Administrator Information Systems Operator Security Technician User Support Specialist</p>	<p>Systems Engineer Networking Systems Analyst Senior Network Administrator Wireless Network Administrator Network & Computer Systems Administrator Technical Support Specialist Telecommunications Network Technician Computer Information Administrator Operating Systems Specialist</p>	<p>User Support Specialist Information Security Analyst Data Communications Analyst Network Systems Analyst Network Presales Engineer Network Design Administrator Computer Hardware Engineer Computer Software Engineer</p>
CREDIT	Articulation and CTE Dual Enrollment Opportunities		
	<p style="text-align: center;">Secondary to Technical Center (PSAV)</p> <p>Charlotte Technical Center: Students enrolled in the high school CSIT program (9001200) can earn 300 hrs. per year with/without an industry certification. The secondary program is set to complete in 3 years which equates to the PSAV program (Y100200) to allow for seamless transition into the 900 clock hour program below.</p> <p>Computer Systems Technician (300 hrs.) Computer Network Technician (150 hrs.) Computer Networking Specialist (150 hrs.) Computer Security Technician (300 hrs.)</p>	<p style="text-align: center;">Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)</p> <p>Florida Southwestern State College: Students who transfer from high school into a CCC or degree program and complete any/all of the following certifications will earn the credits set forth by the gold standard industry certification articulation agreement.</p> <p>COMPT001 = 6 cr. Computer Engineering Technology COMPT001 = 3 cr. Computer Information Technology COMPT006 = 3 cr. Computer Engineering Technology COMPT006 = 3 cr. Networking Services Technology COMPT008 = 3 cr. E-Business Technology CISCO004 = 12 cr. Computer Engineering Technology CISCO004 = 12 cr. Networking Services Technology</p> <p>For students who transfer from high school into an AS program as mentioned above for Florida Southwestern State College (local articulation), students can earn a maximum of 6 credits for completing all courses within the 9001200 CSIT program.</p>	<p style="text-align: center;">PSAV/PSV to AAS or AS/BS/BAS</p> <p>From PSAV to Florida Southwestern State College into one of the following: AS Computer Programming and Analysis AS Networking Services Technician AS Networking Systems Technician</p> <p>Student will receive up to 12 credits in the following by completing the entire PSAV program:</p> <p>CGS 1000 Computer Literacy (3 cr.) CNT 1000 Computer Networking Essentials (3 cr.) CGS 2260 Computer HW & SW Maintenance SLS 1331 Personal Business Skills</p> <p>All statewide PSAV articulation agreements and industry certification articulation agreements are applicable as accepted by receiving institution set forth by articulation agreement.</p>
Career and Technical Student Association			
<p>Phi Beta Lambda and Business Professionals of America (BPA) are the intercurricular student organizations among those recommended. Charlotte Technical Center is a Skills USA school; therefore, that is the CTSO for this program.</p>			
Internship/Work Experience Recommendations			
<p>Cooperative On-the-job training is appropriate and used for students when applicable</p>			
<p>Reviewed May 1, 2016 and updated annually. See your Counselor for the most recent plan as student schedules will vary based on the needs of the student. Find detailed graduation requirements at: http://www.fldoe.org/academics/graduation-requirements</p>			