

Career Cluster: Information Technology
 Career Cluster Pathway: Information Support Services

CTE Program: **Applied Information Technology (9003400)**
 Industry Certifications: COMPT001 & PROSO016

16 REQUIRED CREDITS

8 ELECTIVE CREDITS REQUIRED

<i>Collier County Program of Study</i>	ENGLISH (4 credits)	MATH (4 credits)	SCIENCE (3 credits, 2 with lab)	SOCIAL STUDIES (3 credits)	CAREER EDUCATION PROGRAM COURSES	RECOMMENDED ELECTIVES (State University Aligned) (One virtual course is required)
	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	Other Requirements: Pass FCAT 2/PARC – Reading Level 3, pass with 30% of EOC Exam in Algebra 1 & 2, Biology, Geometry, US History	

Dual enrollment and CTE courses satisfy graduation and Bright Futures Gold Seal Vocational Scholar requirements. Agriscience Foundations and Aerospace Technology satisfy core science requirements. State Approved industry certifications lead to college credit and may substitute for up to two high school credits of math and one credit of science. One online course and a 2.0 is required for graduation. Visit www.flvs.org and your counselor.

HIGH SCHOOL

9	English I or Honors (1)	Algebra 1 or Honors (1)	Earth & Space Science or Honors (1)	Elective (1)	HOPE (1)	Digital Information Technology(1) (Art Requirement)	Foreign Language 1 (1)
10	English 2 or Honors (1)	Algebra I/H or Informal Geometry or Geometry/ H (1)	Biology or Honors (1)	World History or Honors or AP (1)	Elective (1)	Web Technologies - H(1) (*Art Requirement)	Foreign Language 2 (1)
Students are encouraged to take the ACT, SAT or PERT during 11th grade. Scores on the FCAT, FACT 2.0 and EOCs' should determine college readiness							
11	English 3 or Honors or DE or AP (1)	Geometry/H or Algebra 2/H or DE or AP (1)	Chemistry or Physical Science or Physics or DE or AP (1)	American History or Honors, DE or AP (1)	Math or Elective (1)	IT Systems and Applications-H (1)	FL Virtual Course (1)
12	English 4 or Honors or DE or AP (1)	Algebra 2/H or College Ready Math or DE or AP (1)	Environmental Science or Physics or Elective (1)	Am Gov/Economics or Honors or DE or AP(1)	Programming Essentials-H or Elective (1)	Database Essentials -H(1)	Elective or Executive Internship or Apprenticeship (1)

POSTSECONDARY

Based on this Career Cluster and identified career and identified technical education program, the following postsecondary options are available

TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
Network Support Services- (1350 hrs.)-PSAV Certificate – Lorenzo Walker Technical College Computer Systems & Information Technology – (1350 hrs.) – PSAV Certificate – Immokalee Technical College	-Networking Systems Technology-AS (63cr.)- FSW -Internet Services Technology-AS (63cr.) - PBSC -Computer Information Technology –AS (63 cr.)-SCF, CF -Mobile Device Technology-CCC (12 cr.) –CF -Information Technology Technician –CCC (21 cr.) -BPSC -Information Management. – CCC, (30 cr.) – BPSC -Information Technology Adm.-CCC, (18 cr.) – BPSC -Information Technology Support Specialist-CCC(18cr)FSU -Computer Sci. (Engineering)—AA (64 cr.)- HCC	-Mgmt. Information Systems Specialization BAS (120cr)-CF -Technology Mgmt., BAS (120cr.) – GCSC - Information Technology, BS (128 cr.) – DSC - Information Systems Technology, BS (120) – MDC -Information Mgmt., BAS (120cr)- 3 specializations-PBSC 1.Database Administration 2.Security & Network Assurance (IT Forensics) 3.Project Management

ARTICULATIONS/ CREDIT	High School Students to PSAV Technical Center Program	Technical Center or High School to Community or State College	State and Community Colleges to Universities
	(Credits earned are based on competencies achieved) 8207310 Digital Information Technology (1 Cr.) = OTA0040 Information Technology Assistant – (150 hrs.) OCP A toward Network Support Services B078000 - LWTC Computer Systems and Information Tech. - ITC	<u>Statewide Industry Certifications</u> COMPT001 = 6 cr. toward AS Computer Engineering = 3 cr. to AS Comp. Inf. Tech. (4 cr.) in 9003400 HS Program = CGS1000Computer Literacy (3 cr.) - FSW	<u>FL Southwestern State College to Hodges</u> -Computer Information Technology, AS to BS (62 hrs) <u>Statewide:</u> -Regional AS Degree = (60 cr.) toward BAS degree (120 cr.) in Applied Science -Info. Tech. AS to Info. Tech. BS (120cr.)- UCF
Based on the Career Cluster of interest and identified CTE program the following sample career specialties			
CAREERS	Technical Centers	Community Colleges	4 Year Colleges and Universities
	-Data Clerk -IT Assistant (DOL) -Computer User Support Specialists (DOL) -Web Developer (HSHW) (DOL) -Cyber Security Technician	-Computer Science Engineer, AA -Software Applications Specialist -Assistant Programmer (DOL) -Software Developers, Applications(HSHW) (DOL) -Database Administrators (HSHW) (DOL) -Computer Systems Analyst (HSHW)	-Software Engineer, BS -Computer Engineer, BS -Design Engineer, BS
INDUSTRY CERTIFICATIONS			
All certifications students have the opportunity to take while in this POS: PROSO016 Certified Internet Web CIW – Internet Business Associate, Certification Partners COMPT001 CompTIA A+, Computing Technology Ind. Ass. (CompTIA) MICRO069 Microsoft Office Specialist (MOS) Bundle Cert. (3 of 6), Microsoft Corporation			
CAREER AND TECHNICAL STUDENT ASSOCIATION			
Future Business Leaders of America (FBLA) and Business Professionals of America (BPA)			
INTERNSHIP/WORK EXPERIENCE RECOMMENDATIONS			
Work, volunteer, intern or shadow at the schools IT department. Intern and shadow at local businesses that have IT departments or need assistance with Web sites or technology support. Join FBLA or BPA. Refer to http://collierschools.com/careertech/internships.htm for district approved internship opportunities.			
****	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		

Applied Information Technology (HS) #9003400