Career Cluster: *Information Technology*	CTE Program: Secondary: *Web Application Development & Programming (9007500)* Postsecondary: *State CIP Code 1511020101*
Career Cluster Pathway: *Computer Programming and Analysis*	Industry Certification: Secondary: **Microsoft Office Bundle (MICRO069)**, *CIW Site Development Assoc (PROSO020), CIW Advanced HTML5 and CSS3 Specialist (PROSO027), CIW JavaScript Specialist (PROSO017)* Postsecondary:

LEON COUNTY SCHOOLS LCS	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

- Students **are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org**
- 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

	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES
9th	English I	Algebra I	Earth, Space Science	Elective	Pers Fit (.5 cr) & Ph Ed (.5 cr)	Digital Info Technology	Elective/Foreign Language
10th	English II	Geometry	Biology	American History		Web Programming	Elective/Foreign Language
11th	English III	Algebra II	Chemistry	World History	Practical Arts or Fine Arts course (1 credit)	JavaScript Programming	AP Computer Science
12th	English IV	Statistics	Physics	Am Govt/ Economics		PHP Programming	Other elective course appropriate for student's career and education plan.

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)
Northwest Florida State College *College Credit Certificate* Computer Programmer Computer Programming Specialist	**Northwest Florida State College** **A.S. Degree** Computer Programming and Analysis	**Florida State University** **Bachelors of Art** Computer Programming and Applications

	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
CAREER	• Junior Web Master • Assistant Web Designer • Web Application Developer • Web Master	• Computer Programmer • Web Developer	• Computer Programmer • Computer Systems Analyst • Computer Software Engineer
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)
	Local Articulation Agreement **Northwest Florida State College** Computer Programmer (CCC) Computer Programming Specialist (CCC)	**Statewide Articulation Agreement** **CIW Advanced HTML5 and CSS3 Specialist** shall articulate to three (3) college credit hours to the AAS/AS Degree in Computer Information Technology or Computer Programming and Analysis. **CIW JavaScript Specialist** shall articulate to three (3) college credit hours to the AAS/AS Degree in Computer Programming and Analysis.	**Statewide Articulation Agreement** **CIW Advanced HTML5 and CSS3 Specialist** shall articulate to three (3) college credit hours to the AAS/AS Degree in Computer Information Technology or Computer Programming and Analysis. **CIW JavaScript Specialist** shall articulate to three (3) college credit hours to the AAS/AS Degree in Computer Programming and Analysis.

Career and Technical Student Association

SkillsUSA

Internship/Work Experience Recommendations

Internship and OJT – Students have the opportunity to intern with our business partners and advisory boards to provide internships or work experience as appropriate for this program of study.

Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements

MyCareerShines – Career and Educational Exploration and Information