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| Career Cluster: Information Technology | | Secondary CTE Program: Web Application Development & Programming (9007500) Post-Secondary PSAV Program: Web Application Development & Programming (Y700500) | | | | | | | |
| Career Cluster Pathway: Web and Digital Communications | | Secondary Industry Certification: PROSO016 – CIW Internet Business Associate (.1) PROSO020 – CIW Site Development Associate (.2) PROSO017 – CIW JavaScript Specialist (.2) PROSO027 – CIW Advanced HTML 5 CSS Specialist (.2) Post-Secondary Industry Certification: PROSO022 – CIW Web Design Specialist PROSO023 – Web Development Professional | | | | | | | |
|  | | 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"> • 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. • Students should talk with their counselors about the availability and requirements of AP and Dual courses which are paid for by Walton County School District while you are enrolled in high school. The college credit hours may be used in your Post-secondary education. • Students are also encouraged to participate in CTE dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. Three courses are required within one program for BF – GSV. • Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org. | | | | | | | |
| | | 9th | English 1 | Algebra 1 | Environmental Science or Biology | World Culture Geography | Physical Education (1 credit) / HOPE (PE Variation) | Digital Information Technology 8207310 (OCP A) | Elective Practical/Fine Arts |
| | | 10th | English II | Geometry | Biology or Anatomy & Physiology | World History | Practical Arts or Fine Arts course (1 credit) | Foundations of Programming 9007210 (Must complete Pro Prog for OCP B) | Foreign Language for SUS admission or other elective appropriate for student's career and education plan. |
| | | 11th | English III | Liberal Arts Math or Math for College Readiness or Algebra II or Pre-Calculus | Marine Science or Earth Space Science or Chemistry | US History | Personal Finance (Online Course) | Procedural Programming 9007220 (OCP B) | Foreign Language for SUS admission or other elective appropriate for student's career and education plan. |
| | | 12th | English IV | Liberal Arts Math or Math for College Readiness or AP Statistics / AP Calculus | Marine Science or Earth Space Science or Physics or AP Science Principles | American Government /Economics | Psychology or AP Psychology or Student Choice Elective | Object-Oriented Programming Fundamentals 9007230 (OCP C) | Student Choice Elective |

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| POSTSECONDARY (PATHWAYS) | Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available. | | |
| | TECHNICAL COLLEGE PROGRAM(S) | STATE COLLEGE PROGRAM(S) | UNIVERSITY PROGRAM(S) |
| | ECTC Web Application Development & Programming NWFSC Web Development Specialist, CCC | NWFSC Internet Services Technology, AS Pensacola State College Computer Programming & Analysis–Web Development, AS | UWF Information Technology, B.S.B.A. FSU Information Technology, B.S.B.A. |
| CAREER | Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.) | | |
| | Computer User Support Specialist Computer Occupations, All Other Web Development and Administration | Computer Programmer Web Designer Web Administrator | Webmaster Site Developer Social Networking Specialist |
| CREDIT | Articulation and CTE Dual Enrollment Opportunities | | |
| | Secondary to Technical College (PSAV) (Minimum # of clock hours awarded) 150 Clock hours toward Web Development program (with Micro069 certification) or Dual Web Development PROSO017 shall articulate three (3) college credit hours to the AAS/AS Degree in Computer Programming & Analysis PROSO020 shall articulate three (3) college credit hours to the AAS/AS Degree in Internet Services Technology | Technical College to State College Degree (Minimum # of clock or credit hours awarded) 1050 clock hour program in Web Design shall articulate six (6) college credit hours to the AAS/AS Degree in Graphics Technology 1050 clock hour program in Web Design shall articulate a minimum of nine (9) college credit hours to the AAS/AS Degree in Internet Services Technology | PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements may be included here) |
| Career and Technical Student Association | | | |
| Future Business Leaders of America (FBLA); Business Professionals of America (BPA); Phi Beta Lambda (Postsecondary) | | | |
| Non-traditional Program Status: Web Development is considered a non-traditional program for females. | | Salary Range: (entry and exit salaries) Computer User Support Specialist: \$28,990 - \$81,260 Web Developers: \$34,770 - \$116,620 Computer Occupations, All Other: \$45,320 - \$129,700 | |
| Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements Salary Information provided by US Dept. of Labor – Bureau of Labor Statistics – State of Florida (May 2015) http://www.bls.gov/oes/current/oes_fl.htm#29-0000 | | | |