PROGRAM OF STUDY

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

*This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. **Note**: Many items have links to external resources with more information.*

REQUIRED CREDITS	GRADE	English/ Language Arts (4.0 credits)	Social Studies (2.5 credits)	Math (2.0 credits)*	Science (2.0 credits)	Fine Arts (1.0 credits)	Health/ Fitness (2.5 credits)**	Electives (6.5 credits)	Related Career & Technical / Occupational (1.0 credits) Certificate and Tech Prep (notation on HS and TP alignment)	SAMPLE Occupations Relating To This Pathway (*indicates job in high demand) (◉ indicates a "green" job)
SECONDARY SAMPLE COURSE OFFERINGS	9	English 1 or Honors English 1	Pacific Northwest History (.5)	Algebra I Geometry *Class of 2013 (add't 1.0 credit) or Algebra II or Pre-Calculus or Calculus or CTE Equivalent (Students must pass a math competency test or have four years of math credits)	Integrated Science or Adv Int Science	Credits from Art Courses or CTE Equivalent	Health (.5)	Elective courses (6.5) and Project Me and Other CAA require-ments	**ASD CTE COURSE OPTIONS** Digital Communications Digitools Intro to Web Page Design Advanced Web Page Design Computer Programming I Computer Programming II Computer Applications Computer Programming I Computer Programming II Work Based Learning CTE Grad Project	**Some Preparation** • Call Center Support Representative • Customer Service Representative
	10	English 2 or Honors English 2	US History		Biology **or** AP Biology **or** Biotechnology **or** Horticulture **or** Natural Resources I		Credits from Health and Fitness Courses **Successfully completing two years of physical education and one semester of health is required for high school graduation		**LEADERSHIP** Skills USA FBLA	**Medium Preparation** • Applications Integrator • Computer Operators • Computer Support/Help Desk Specialists* • Computer, Automated Teller, and Office Machine Repairers* • Database Analyst • Maintenance Technician
	11	English Electives or Business English	World History **or** Economics **or** Economics II		Science Electives				**TECH PREP ARTICULATIONS** Digital Communications/Digitools – Grays Harbor College (3cr.) Computer Applications – Grays Harbor College (12cr.) Computer Programming II – South Puget Sound Community College (5cr.)	**Considerable Preparation** • Computer Software Engineers, Systems Software* • Computer Systems Analysts* • CTE Teacher • Database Administrators/System Designer* • Network and Computer Systems Administrators* • Testing Engineer • Web Administrator
	12	English Electives or Business English	World History **or** Economics **or** Economics II **and** CWP						**CERTIFICATION** MOS Certification Work Readiness Credential	**Extensive Preparation** • Computer and Information Systems Managers*

	Technical Certification *(instruction provided through certified training and/or testing centers)*	Apprenticeship Opportunities	2-yr or ATA Degree *(Find specific colleges at www.checkoutacollege.com)*	4 –yr Degree or Advanced Training	
POST SECONDARY EDUCATION OPTIONS*	**Communications Systems Installation and Repair Technology** • Bates Technical College • New Horizons Computer Learning Center • Seattle Vocational Institute • Skagit Valley College **Computer Operations and Technical Support** • Interface Computer School **Computer Programming** • City University **Computer Science** • Heritage University **Computer Programming** • South Puget Sound Community College and various other technical and community colleges **Information Processing** • Grays Harbor College and various other technical and community colleges **Microsoft Certified Solution Developer.NET** • Netdesk Corporation • Strategy Computers Technical Training Center	To learn more about Apprenticeship, visit **Labor and Industries** website. Follow these steps to learn about the specific apprenticeships available in this pathway: **STEP 1**: Link to **Apprenticeship Registration and Tracking System** **STEP 2**: Search by using key words below or the SOC code listed • School Computer Technician I/II/III (15-1041) **STEP 3**: Click "View" and scroll down to find contact name and program standards for qualifications and how to apply	**Computer & Information Sciences** • Heritage University • ITT Technical Institute • Walla Walla College **Computer Programming** • South Puget Sound Community College and various other technical and community colleges **Information Processing** • Grays Harbor College and various other technical and community colleges **Data Modeling/Warehousing and Database Administration** • South Puget Sound Community College and various other technical and community colleges **Information Technology** • ITT Technical Institute **Microcomputer Applications** • Grays Harbor College and various other technical and community colleges **Technical Support Services** • Bellevue Community College • Big Bend Community College • Cascadia Community College • Columbia Basin Community College • Everett Community College • Grays Harbor Community College • Green River Community College • Olympic Community College • Peninsula Community College • Pierce Community College • Seattle Central Community College • Shoreline Community College • Skagit Valley Community College	**Computer Engineering** • Pacific Lutheran University • Seattle Pacific University • Seattle University • University of Washington • Washington State University **Computer Programming** • City University **Computer & Information Sciences** • Central Washington University • City University • DeVry University-Washington • Eastern Washington University • Gonzaga University • Henry Cogswell College • Heritage University • ITT Technical Institute • Pacific Lutheran University • Saint Martin's University • Seattle Pacific University • Seattle University • University of Phoenix-Seattle Campus • University of Puget Sound • University of Washington • Walla Walla College • Washington State University • Western Washington University • Whitworth College **Information Technology** • University of Phoenix-Seattle Campus • University of Washington • City University **CTE Secondary Education Teacher** • Education Degree in a CTE program area with 2000 hours of related work experience • Industry Route Certificate requires 6000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English	