



INFORMATION SUPPORT & SERVICES

The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

HIGH SCHOOL COURSES OFFERED

EXPLORATORY

- IT Cooperative Worksite Learning

PREPARATORY

- Computer Applications
- Cybersecurity
- AP Computer Science Principles
- CTA: ITS3

WORKBASE LEARNING

Work Experience Opportunities

CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and earn high school credit. Internships are typically paid but do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your local CTE or career office is the best source of information for what your own school offers.

Washington Technology Student Association

Interested in careers in architecture, engineering, construction, manufacturing, film/video production, graphic arts or other technical areas? TSA is the only student leadership organization devoted exclusively to students interested in technology. Learn through exciting competitive events and leadership opportunities. From engineers to business managers, alumni credit TSA with having had a positive influence on their lives. More information is contained on the [Student Leadership Organizations](#).



ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
IT Specialist/Manager	\$80,350	420	30.2%
Computer Technician	\$90,170	80	19.4%
Computer/Network Systems Manager/Administrator	\$90,790	930	19.9%
Web Developer/Associate/Designer	\$142,560	1606	28.1%
Computer & Information Systems Manager	\$153,620	1870	30.8%

POST SECONDARY OPTIONS

High school/Certificate	Cert/License	Associates Degree	Bachelor's Degree	Masters/Doctoral	Schools w/ programs
Precision Exams- Bus. Office Specialist, Web Design, Computer Programming (various), Comp Sci Principles, Systems, & Technology, Database Development	Microsoft Certified Systems Engineer (MCSE)	Computer Technical Support, Computer Information Technology, Computer Information Systems, Computer Science, Computer Networking, Network Administration	Computer Technical Support, Computer Information Technology, Computer Information Systems, Computer Science, Computer Networking, Network Administration, Information Technology, Computer Engineering	Information Technology, Computer Engineering	Everett, SPSCC, Bates, Pierce, Lower Columbia, Big Bend, UW, Seattle Pacific, CWU, NW Indian College, Seattle U, UW, CWU, WSU, EWU, WWU, Gonzaga, UPS, PLU, Whitworth, Green River, Digipen, St.Martin's

Additional industry-based certification information is available from the OSPI website.



EXAMPLE COURSE PLAN • 4 YEAR COLLEGE / UNIVERSITY

Subject/Credit	HS Credit earned in MS	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English/4		Pre-AP Freshman English	Pre-AP Sophomore English	AP Language	AP Literature
Math/3	Algebra	Geometry	Algebra 2	Pre-Calculus	AP Calculus
Social Studies/3			World History	US History	CWP Civics
Lab Science/3		AP Environmental Science	AP Biology	AP Physics	AP Chemistry
CTE/1				Computer Apps 1 & 2	
PE & Health/2		Family Health Foundations of PE	Team Sports Weight Training		
Art/1		Intro to Art Ceramics			
PPR or Electives/7		Spanish 1	Spanish 2	Cybersecurity	AP Computer Science Principles Worksite Learning



EXAMPLE COURSE PLAN • 2 YEAR COLLEGE / TECH

Subject/Credit	HS Credit earned in MS	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English/4		Freshman English	Sophomore English	Junior English	Senior English
Math/3		Algebra	Geometry	Algebra 2	Pre-Calculus
Social Studies/3			World History	US History	CWP Civics
Lab Science/3		AP Environmental Science	Biology	Physics	
CTE/1		Computer Apps 1 & 2			
PE & Health/2		Family Health Foundations of PE			Team Sports Weight Training
Art/1			Intro to Art Ceramics		
PPR or Electives/7		ASL 1	ASL 2	Cybersecurity Engineering	AP Computer Science Principles Worksite Learning

NOTE: These are just two of many options for course planning. Need help; see your counselor or career specialist today.