Information Technology

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.

BUSINESS & MARKETING

INFORMATION SUPPORT & SERVICES

APPROVED COURSES

EXPLORATORY

Computer & Information Science & Support Service Coop Worksite Experience

Fundamentals of Information Technology

Digital Communication Tools

PREPARATORY

Office User Specialist

Web/Multimedia Management & Webmaster

Computer Support Specialist

Computer Installation & Repair Technology/Technician

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Information Technology Specialist/Manager	$80,350	420	29%
Computer Technician	$90,170	80	25%
Computer/Network Systems Manager/Administrator	$90,790	930	28%
Web Developer/Associate/Designer	$142,560	1060	50%
Computer & Information Systems Manager	$153,620	1870	46%

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

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 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/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. More information is contained on the Student Leadership Organizations.

Information Support and Services Pathway: Careers in Information Support and Services involve IT deployment, including implementing computer systems and software, providing technical assistance and managing information systems. Successful IT deployment — implementation of computer systems and software, provision of technical assistance, creation of technical documentation and management of information systems — is critical to the success of most 21st Century organizations. People with expertise in Information Support and Services are in high demand for a variety of positions in organizations of all sizes and types, doing work such as integrating multiple databases at a global investment company, enabling employees to share information between the New York, Paris and Hong Kong offices and improving service to customers.

POSTSECONDARY OPTIONS

	CREDENTIALS	HIGHER EDUCATION			
HIGH SCHOOL/ INDUSTRY CERTIFICATION	**CERTIFICATE / LICENSE**	**ASSOCIATE'S DEGREE**	**BACHELOR'S DEGREE**	**MASTER'S/ DOCTORAL PROFESSIONAL**	**SCHOOLS WITH THESE PROGRAMS**
Microsoft Office Specialist (MOS)		Computer Technical Support	Information Technology		Everett, SPSCC, Bates, Pierce, Lower Columbia, Big Bend, UW, Seattle Pacific, CWU, NW Indian College
Microsoft Technology Associate (MTA)		Computer Information Technology Computer Information Systems			Seattle U, UW, CWU, WSU, WWU, Gonzaga UPS, PLU, Whitworth,
IC3 Digital Literacy		Information Systems & Technology			Bates, Green River, UW, WWU, PLU, EWU, WSU, UPS,
CompTIA A+ CompTIA Network+		Computer Science Computer Networking Network Administration			Digipen, Seattle U UW, CWU, WSU, WWU, Gonzaga UPS, PLU, Whitworth, St. Martin's
Cisco CCNA, CCDA	Microsoft Certified Systems Engineer (MCSE)	Computer Engineering			Seattle U, UW, CWU, WSU, WWU, Gonzaga UPS, PLU, Whitworth,
Additional industry-based certification information is available from the OSPI website.					

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE	COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Computer & Info Science & Support Srvc Coop Worksite Experience	118888	10298 10998	V600096 V600097	Web/Multimedia Management Webmaster	111004	10201,10202, 10203,10204, 10247,10249	V100100 V470110 V070000 V078000
Fundamentals of Information Technology	110103	10001,10002, 10003,10004, 10005,10006, 10007,10008, 10047,10048, 10049	V070000 V078000 V521206	Computer Support Specialist	111006	10253,10254, 10255,10256, 10299	V070000 V078000 V470110 V521206
Digital Communication Tools	110601	10001,10002, 10003,10004, 10005,10006, 10007,10008	V070000 V078000 V521206	Computer Installation & Repair Technology/Tech	470104	10251,10252, 10001,10002, 10101,10109	V470101 V470110
Office User Specialist	110699	12003,12006, 12008,12009	V070000 V078000 V521206				

Washington Office of Superintendent of **PUBLIC INSTRUCTION**

For additional information on this cluster, please contact:
OSPI Career and Technical Education | cte@k12.wa.us
https://www.k12.wa.us/cte