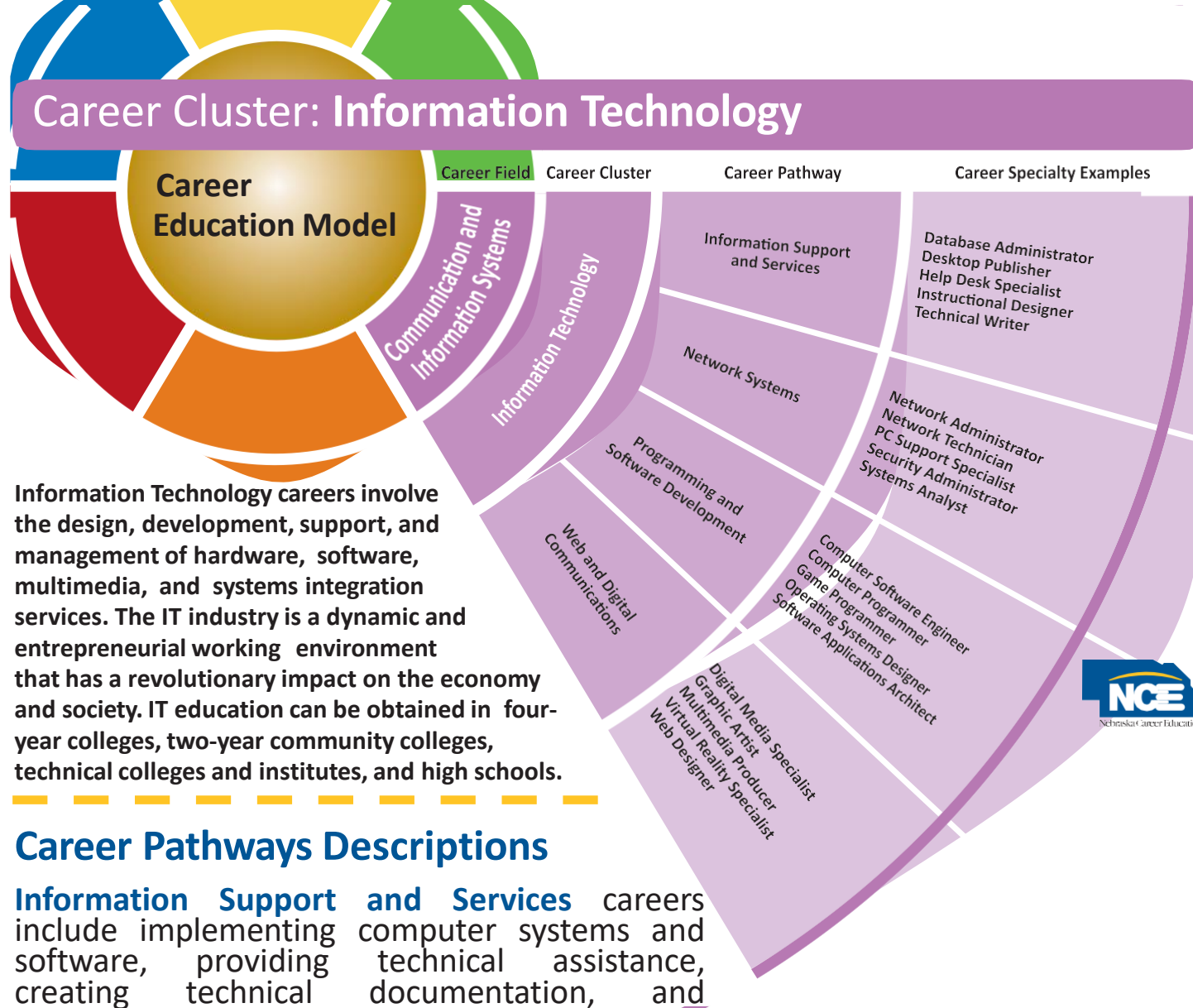


Career Cluster: Information Technology



Information Technology careers involve the design, development, support, and management of hardware, software, multimedia, and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. IT education can be obtained in four-year colleges, two-year community colleges, technical colleges and institutes, and high schools.

Career Pathways Descriptions

Information Support and Services careers include implementing computer systems and software, providing technical assistance, creating technical documentation, and managing information systems.

Network Systems careers involve network analysis, planning, and implementation, including design, installation, maintenance, and management of network systems.

Programming and Software Development careers involve designing, implementing, and maintaining computer systems and software. Knowledge in computer operating systems, programming languages, and software development is essential.

Web and Digital Communications careers involve creating, designing, and producing interactive multimedia products and services, including development of digitally-generated or computer-enhanced media.

Do you enjoy working with computers?

Have you created your own webpage?

Is mathematics a favorite subject?

Are you organized and able to focus on details?

Do you learn new computer programs quickly?

<https://azcis.intocareers.org/VideoPlayer.aspx?VideoFileNum=00-000011>

1:58 minutes video on this career cluster (you must be logged into AZCIS to see video)

Occupations Examples

Levels of Education and Earnings*

	National Annual Median Wage	Arizona Annual Median Wage
Postsecondary Vocational Training (Certificate or Diploma)		
Computer User Support Specialists	\$48,620	\$46,570
Associate Degree		
Web Developers	\$64,970	\$64,170
Bachelor's Degree		
Computer Engineers	\$98,260 - \$111,730	\$89,400 - \$107,120
Computer Programmers	\$79,530	\$78,660
Information Security Analysts	\$90,120	\$76,010
Computer Systems Administrators	\$77,810	\$74,240
Computer Systems Analysts	\$85,800	\$87,640
Work Experience Plus a Bachelor's or Higher Degree		
Database Administrators	\$81,710	\$80,960



Career Plan of Study

Learner Name _____

Date _____

Learner Signature _____

Advisor Signature _____

Parent/Guardian Signature (if required) _____

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
High School	English I	English II	English III	English IV
	Algebra I or Geometry	Geometry or Algebra II	Algebra II, Trigonometry or Statistics	Pre-Calculus, Trigonometry or Statistics
	Physical Science or Biology I	Biology I or Chemistry I	Chemistry, or Physics	Physics
	Geography/State History	World History	American History	Economics/Government
	Required Electives PE, Health, Art, Foreign Language, or Computer Technology	Required Electives PE, Health, Art, Foreign Language, or Computer Technology	Additional High School Electives Computer Applications I Computer Applications II Cisco Multimedia Design	Technology Center Options Business & Computer Technology E Commerce and Web Services Information Services Network Services
Career Electives TechConnect IT Technology Education Computer Applications	Career Electives TechConnect IT Technology Education Computer Applications			
Post-Secondary	Career/Technical College		Community College	College/University
	<ul style="list-style-type: none"> ☞ Business and Computer Technology ☞ E Commerce and Web Services ☞ Information Services ☞ Network Services ☞ Cyber Security 		<ul style="list-style-type: none"> ☞ Computer Program and Computer Science ☞ Graphic Design and Visual Communications ☞ E-Commerce ☞ Computer Information Systems ☞ Information Technologies 	<ul style="list-style-type: none"> ☞ Management Information Systems ☞ Management Science & Computer Systems ☞ E Commerce ☞ Computer Science ☞ Information Science
Career Enhancement Options	Work-based Learning Options		Short-Term Training Options	
	Job-Shadowing: Internship/Mentorship: On-The-Job Training:		<ul style="list-style-type: none"> ☞ Advanced Networking ☞ Desktop Certifications ☞ Linux I ☞ Linux II ☞ Windows XP ☞ Network + ☞ Internet Network and Security 	