



**Career Cluster: Computer Science & Information Technology**

**Career Pathway: Information Technology Systems**

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Creative Coding</a>		
HIGH SCHOOL		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Math 1050	Secondary Math 2	Secondary Math 3
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
CISCO Certified Networking Associate	<a href="#">Exploring Computer Science</a>	<a href="#">Robotics Technology</a>
<a href="#">Computer Programming 1</a> *	<a href="#">Information Technology, Intro</a> *	<a href="#">Web Development 1</a> *
<a href="#">Computer Science Principles 1</a> *	Microsoft Certified Professional *	
<a href="#">Database Development</a> *	<a href="#">Robotics 1</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.		
<a href="#">A+ Computer Maintenance and Repair</a> *	<a href="#">Geographical Information Systems, Introduction</a>	
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
<a href="#">Geographic Information Systems Remote Sensing</a> *	<a href="#">Network Fundamentals</a> *	
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		
UtahMajors.org: <a href="#">Majors Guide</a>		

\* concurrent enrollment course + recommended explorer course

**HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING**

There are several options for education and training beyond high school, depending on your career goals.

	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	N/A	> Computer Network Support Specialist	> CTE Teacher > Computer Network Architect > Computer and Information Systems Manager

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

**Student Testimonial**

"This program helped me earn many industry-level certifications including CompTIA, IT Strata Fundamentals, IC3, Microsoft Technical Associate (MIT), OS Fundamentals, and Security and Academy of Information Technology certifications."

Parker Kingsford  
 West Jordan High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Computer Science & Information Technology**

UtahCTE.org: [Fact Sheet](#)

Utah Department of Workforce Services  
 Utah Occupational Explorer

**FBLA | SkillsUSA | TSA**

are the Career and Technical Student Organizations (CTSO) for students in Information Technology Systems Career Pathway.

[FBLA-PBL.org](http://FBLA-PBL.org) | [SkillsUSA.org](http://SkillsUSA.org) | [TSAweb.org](http://TSAweb.org)  
[Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org) | [UtahTSA.org](http://UtahTSA.org)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)