

High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



Area of Study: Information Technology Education

Pathway: Technical Support

Get the Facts
According to an Arbitron Edison Research study, more than six in ten households with Internet access have a Wi-Fi network at home, enabling the consumption of digital media in any room of the house.

Workforce Trends
Growth will be driven by rapid increases in the computer and data processing services industry. Employment prospects should be favorable, especially for candidates who have either a degree in computer science or computer engineering.

**CAREER AND TECHNICAL EDUCATION
Recommended Pathway Courses**

(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)

CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL

Course #	Foundation Courses: (required)	Credit
11.9920	A+ (Computer Maintenance)	1.00
<i>Choose one of the following courses:</i>		
11.0101	Information Technology, Introduction	.50
11.9940	Linux Fundamentals	1.00
11.0440	Network Fundamentals	.50
11.0450	Security Fundamentals	.50
Elective Courses:		
11.0430	Microsoft Certified Professional (MCP)	1.00
32.0199	Student Internship (Critical Workplace Skills)	.50

Visit UtahCTE.org to learn how to earn industry certification in this Pathway.
Foundation courses taken beyond the required credits can be used as elective credit.

Technical Support is:

- > High skill
- > High wage
- > High demand
- > Nontraditional for females

Sample Career Occupations

- > Computer Operator
- > Help Desk Technician
- > Information Technology Education Teacher
- > Microcomputer Support
- > Network Control Operator
- > Technical Support Specialist

2.00 credits

1.00 credit

3.00 credits for completion



Middle School		State Requirements			High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School		9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org.</p>
Math * 1.00	Math * 1.00	2.00	Math	3.00	Math * 1.00	Math * 1.00	Math * 1.00	Computer Programming 1.00	
Science .50	Science 1.00	1.50	Science	3.00	Earth Systems 1.00	Biological Science 1.00	Additional credit 1.00		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	3.00	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50				
Keyboarding .50			Computer Tech.	.50	Computer Technology .50				
CTE Intro 1.00		1.00	CTE	1.00	Refer to Career and Technical Education box above.				

* Talk to your school counselor about math requirements in the new common core curriculum. Core curriculum and elective requirements may vary district to district.

Concurrent enrollment course offerings vary by school and district. Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.