



Career Cluster: Computer Science & Information Technology


Career Pathway: Cybersecurity

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Computer Science Investigations	Python 1, Intro	
Creative Coding	Python 2, Intro	
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
Current Issues	Math 1050	Secondary Math 3
Law Enforcement *	Secondary Math 2	
EXPLORER COURSES: Choose one or more of the following courses.		
Computer Programming 1 *	Exploring Computer Science	Web Development 1 *
Computer Science Principles *	Information Technology, Intro *	
Database Development *	Linux Fundamentals *	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Principles of Cyber Defense and Ethics *		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Cybersecurity Forensics *		
CTE Internship	Apprenticeship	
POSTSECONDARY: There are many options for education and training beyond high school.		
Utah System of Higher Education: ushe.edu (Utah's public colleges and universities)		UtahMajors.org: Majors Guide

* 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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Computer Technician > Cybersecurity Operations > Security Specialist 	<ul style="list-style-type: none"> > Computer Network Support > Cybersecurity Technical Writer > Security Architect > Vulnerability Analysis 	<ul style="list-style-type: none"> > CTE Teacher > Computer and Information Systems Manager > Security App. Programmer > Security Engineer

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value. [Credentials of Value](#)

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

Student Testimonial

“Getting a degree will help me to pursue my goal of working as a computer programmer at a large company. CTE classes prepared me by showing me what I would actually be doing in the different job fields and how I would apply the information that I learned in class.”

Aaron Montoya
 Jordan High School

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Computer Science & Information Technology

UtahCTE.org: [Fact Sheet](#)

Department of Workforce Services
[Utah Occupational Explorer](#)

FBLA | SkillsUSA | TSA

are the Career and Technical Student Organizations (CTSO) for students in the Cybersecurity Career Pathway.

[FBLA-PBL.org](#) | [SkillsUSA.org](#) | [TSAweb.org](#)

[Utah-FBLA-PBL.org](#) | [UtahSkillsUSA.org](#) | [UtahTSA.org](#)

[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)