



Career Cluster: Computer Science & Information Technology

Career Pathway: Information Technology Systems

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)			
Secondary Math 2	Secondary Math 3		
EXPLORER COURSES: Choose one or more of the following courses.			
3D Print Technology	Data Science	Linux Fundamentals *	Robotics Technology
AP Computer Science Principles	Database Development *	Network Fundamentals *	Unmanned Aerial Systems
Computer Programming 1 *	Exploring Computer Science	Math 1050	Unmanned Aerial Systems Lab: Design, Build, Maintain
Computer Science Principles *	Information Technology, Intro *	Robotics 1	Web Development 1 *
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.			
Computer Systems 1	Cloud Computing 1	Geographical Information Systems, Intro	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Computer Systems 2	Cloud Computing 2	Geographic Information Systems Remote Sensing *	
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.			
	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Computer Service Technician > Data Center Technician > Service Desk Analyst 	<ul style="list-style-type: none"> > Computer Network Technician > Computer Systems Manager > Database Administrator > IT Coordinator 	<ul style="list-style-type: none"> > CTE Teacher > Computer and Information Systems Manager > Computer Network Architect > Network 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.

Advice to Students

"I am grateful to all of my CTE teachers who have passions for the different types of classes they teach. My father has always told me, and my siblings, that the CTE courses offered in high school are a once in a lifetime opportunity."

Taevin Hunter
 Future IT Specialist

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 Information Technology Systems Career Pathway.

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

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

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