



Career Cluster: Digital Technology

Career Pathway: Information Technology Systems

| JUNIOR HIGH / MIDDLE SCHOOL | | |
|---|---------------------------------|--|
| College and Career Awareness | | |
| Computer Science Investigations | Python 1, Intro | Robotics Technology |
| 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 | Network Fundamentals * |
| Computer Programming 1 * | Exploring Computer Science | Robotics 1 |
| Computer Science Principles * | Information Technology, Intro * | Unmanned Aerial Systems |
| Computer Science Principles (AP) * | Linux Fundamentals * | Web Development 1 * |
| Data Analytics | Math 1050 | |
| CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course. | | |
| Computer Systems 1 | | Cloud Computing 1 |
| 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 |
| 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

Digital Technology

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](#)