## **Utah Career and Technical Education Career Pathway Chart**

2020-2021 School Year



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

### **Career Pathway: Programming & Software Development**

JUNIOR HIGH / MIDDLE SCHOOL

#### HIGH SCHOOL

SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)

EXPLORER COURSES: Choose one or more of the following courses.

CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.

COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.

#### POSTSECONDARY:

Utah System of Higher Education: ushe.edu | UtahMajors.org: Utah Majors Guide

Utah System of Technical Colleges: utech.edu

#### 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	2-Year	4-Year
Certificate	Assoc. or Tech. Degree	Bachelor's Degree
N/A	> Web Developer	> CTE Teacher > Computer Programmer > Computer Systems Analyst

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

#### **Student Testimonial**

"My goal is to become a video game designer or programmer. The classes I took in high school taught me how to use the programs that I would be pursuing in my career field and have given me a taste of what programming and design are like."

Jenny Whitecar Syracuse High School

## LEARN MORE ABOUT OCCUPATIONS AND WAGES

### Computer Science & Information Technology

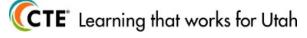
UtahCTE.org: Fact Sheet

UtahFutures.org: Occupation/Wage Search

# FBLA |SkillsUSA |

are the Career and Technical Student Organizations (CTSO) for students in the Programming & Software Development 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



<sup>\*</sup> concurrent enrollment course + recommended explorer course