



## Career Cluster: Computer Science & Information Technology

### Career Pathway: Programming & Software Development

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.
<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
<b>POSTSECONDARY:</b>
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a>   UtahMajors.org: <a href="http://UtahMajors.org">Utah Majors Guide</a>
Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</a>

\* 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-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year 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 | TSA

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

[FBLA-PBL.org](http://FBLA-PBL.org) | [SkillsUSA.org](http://SkillsUSA.org) | [TSAweb.org](http://TSAweb.org)  
[Utah-FBLA-PBL.org](http://Utah-FBLA-PBL.org) | [UtahSkillsUSA.org](http://UtahSkillsUSA.org) | [UtahTSA.org](http://UtahTSA.org)  
[Utah FBLA flyer](#) | [SkillsUSA flyer](#) | [Utah TSA flyer](#)