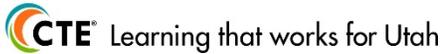


# Utah Career and Technical Education Career Pathway

## 2019-2020 School Year



**CTSO Information**  
 Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.

Students who want to participate in the Web Development Career Pathway choose among the following CTOS, depending upon what is available at their school:  
 FBLA | SkillsUSA | TSA

**Workforce Trends**  
 The World Wide Web has changed the way we communicate and consume information. With more than 1 billion websites the need for Web developers is high.

According to the Utah Department of Workforce Services, the average annual employment growth rate for Web developers is 4.2 percent through the year 2026.

### Career Cluster: Information Technology

#### Career Pathway: Web Development

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
35.02.00.00.060	<a href="#">Web Development 1</a>	.50	1.50 credits
<i>Choose 1.00 credit of the following courses:</i>			
35.02.00.00.055	<a href="#">HTML5 App Development Fundamentals</a>	.50	
35.02.00.00.065	<a href="#">Web Development 2</a>	.50	
35.02.00.00.067	<a href="#">Web Development Capstone</a>	1.00	
ELECTIVE COURSES			
35.02.00.00.034	<a href="#">AP Computer Science Principles</a>	1.00	1.50 credits
35.02.00.00.021	<a href="#">Database Development</a>	1.00	
32.02.00.00.220	<a href="#">Entrepreneurship</a>	.50	
35.02.00.00.090	Geographic Information Systems (GIS) Remote Sensing	.50	
35.02.00.00.005	<a href="#">Introduction to Information Technology</a>	.50	
35.02.00.00.048	<a href="#">Mobile Development Fundamentals</a>	.50	
41.00.00.00.050	<a href="#">CTE Internship</a>	.50	
41.00.00.00.030	<a href="#">Workplace Skills</a>	.50	
<b>3.00 credits for completion</b>			

Foundation courses taken beyond the required credits can be used as elective credit.

**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.**

**Web Development is:**

- > High-skill
- > High-wage
- > In-demand

**Sample Occupations Requiring:**

[High School Diploma](#)  
 > N/A

[Certificate](#)  
 > N/A

[Assoc. or Technical Degree](#)  
 > Web Developer

[Baccalaureate Degree](#)  
 > Career and Technical Education Teacher  
 > Computer and Information Systems Manager  
 > Computer Programmer  
 > Database Administrator  
 > Graphic Designer  
 > Multimedia Artists and Animators  
 > Software Developer

[Graduate or Prof. Degree](#)  
 > Web Developer

**Student Testimonial**

“My goal is to go to Utah Valley University and obtain an associate degree in computer technology with the focus on Web design. With the opportunity to receive an associate degree, it would allow me to apply and obtain work at any number of tech businesses across Utah County. CTE courses have provided experience in several areas that would not be available without CTE.”

Zachary Crocker

### HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are a number of options for education and training beyond high school, depending on your career goals.

12th Grade	1-Year Certificate	2-Year Associate or Technical Degree	4-Year Bachelor's Degree	More Graduate or Prof. Degree
Certificates are awarded upon the successful completion of a brief course of study, usually one year or less. Upon completion of a course of study, a certificate does not require any further action to retain.  In high school a variety of certificates can be earned.		An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.  In 2016-2017, 74 percent of secondary students who concentrated in a CTE Career Pathway placed in postsecondary education, advanced training, military service or employment (October 1-December 31).		

**Utah Business and Industry Facts**

Utah has deep consumer software roots. Ancestry.com, Overstock.com, Backcountry.com, and Vivint.com all started in the Beehive State.

“People in Utah want to contribute. Just walking down the street you can sense the desire to build and create, to make a mark. That kind of ‘beehive’ energy is exactly what a consumer startup needs . . .” said Chatbooks CEO Nate Quigley. *Silicon Slopes Magazine*, Spring 2017

**UtahFutures: College and Career Planning**

Visit [UtahFutures.org](http://UtahFutures.org) to explore occupations, search salary projections, access labor market information, investigate training options, and to create a plan.

**CTE Credentials of Value**

In 2017-2018, 112,867 CTE Skill Certifications were awarded to secondary students and 19,189 third-party certifications were earned by secondary students.

Visit [UtahCTE.org](http://UtahCTE.org) to access high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

In 2017-2018, the graduation rate for students who concentrated in a CTE Career Pathway was 95 percent, compared to Utah’s statewide graduation rate of 87 percent.