Utah Career and Technical Education Career Pathway

2018-2019 School Year

CTE Learning that works for Utah

CareerClusters® PATHWAYS TO COLLEGE & CAREER READINESS
Information Technology

Career Cluster: Information Technology

Career Pathway: Web Development

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
35.02.00.00.060	Web Development 1	.50	1.50 credits
	Choose 1.00 credit of the following courses:		
35.02.00.00.055	HTML5 App Development Fundamentals	.50	
35.02.00.00.065	Web Development 2	.50	
35.02.00.00.067	Web Development Capstone	1.00	
	ELECTIVE COURSES		
35.02.00.00.021	Database Development	1.00	1.50 credit
37.01.00.00.001	Digital Marketing	.50	
32.02.00.00.220	Entrepreneurship	.50	
35.02.00.00.090	Geographic Information Systems (GIS) Remote Sensing	1.00	
35.02.00.00.005	Introduction to Information Technology	.50	
35.02.00.00.048	Mobile Development Fundamentals	.50	
41.00.00.00.030	Workplace Skills	.50	
		3.00 credits for completion	

Foundation courses taken beyond the required credits can be used as elective credit.
Visit UtahCTE.org to learn how to earn industry certification in this Career Pathway.

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.

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 CTSOs, 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.

In Utah, the average annual employment growth rate for Web developers is 5.5 percent and for computer and information systems managers is 4.5 percent through the year 2024.

Web Development is:

> High skill
> High wage
> High 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

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 2015-2016, 73 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).		

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

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

CTE Skill Certificates

Competency-based student assessments, measured by core standards and competencies needed to be successful in the workforce.

In 2016-2017, 105,691 CTE skill certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Skill Certificate process.

UtahFutures: College and Career Planning

Visit UtahFutures.org for salary projections, labor market demand, and training options.

In 2016-2017, the graduation rate for students who concentrated in a CTE Career Pathway was 95 percent, compared to Utah's statewide graduation rate of 86 percent.