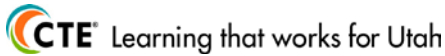


Utah Career and Technical Education Career Pathway

2018-2019 School Year



<p>CTSO Information Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.</p> <p>Students who want to participate in the Web Development and Administration Career Pathway choose among the following CTSOs, depending upon what is available at their school: FBLA SkillsUSA TSA</p> <p>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.</p> <p>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.</p>	<h3 style="margin: 0;">Career Cluster: Information Technology</h3> <h4 style="margin: 0;">Career Pathway: Web Development</h4> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr style="background-color: #00a651; color: white;"> <th style="padding: 5px;">CORE CODE</th> <th style="padding: 5px;">FOUNDATION COURSES (required)</th> <th style="padding: 5px;">CREDITS</th> <th style="padding: 5px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">35.02.00.00.060</td> <td style="padding: 5px;">Web Development 1</td> <td style="padding: 5px;">.50</td> <td rowspan="4" style="padding: 5px; text-align: center; vertical-align: middle;">1.50 credits</td> </tr> <tr> <td colspan="3" style="padding: 5px; text-align: center;"><i>Choose 1.00 credit of the following courses:</i></td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.055</td> <td style="padding: 5px;">HTML5 App Development Fundamentals</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.065</td> <td style="padding: 5px;">Web Development 2</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.067</td> <td style="padding: 5px;">Web Development Capstone</td> <td style="padding: 5px;">1.00</td> <td></td> </tr> <tr style="background-color: #00a651; color: white;"> <th colspan="4" style="padding: 5px;">ELECTIVE COURSES</th> </tr> <tr> <td style="padding: 5px;">35.02.00.00.021</td> <td style="padding: 5px;">Database Development</td> <td style="padding: 5px;">1.00</td> <td rowspan="8" style="padding: 5px; text-align: center; vertical-align: middle;">1.50 credit</td> </tr> <tr> <td style="padding: 5px;">37.01.00.00.001</td> <td style="padding: 5px;">Digital Marketing</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">32.02.00.00.220</td> <td style="padding: 5px;">Entrepreneurship</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.090</td> <td style="padding: 5px;">Geographic Information Systems (GIS) Remote Sensing</td> <td style="padding: 5px;">1.00</td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.005</td> <td style="padding: 5px;">Introduction to Information Technology</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">35.02.00.00.048</td> <td style="padding: 5px;">Mobile Development Fundamentals</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td style="padding: 5px;">41.00.00.00.030</td> <td style="padding: 5px;">Workplace Skills</td> <td style="padding: 5px;">.50</td> </tr> <tr> <td colspan="3" style="padding: 5px; text-align: center;">3.00 credits for completion</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">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.</p> <p style="text-align: center; margin-top: 5px;">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.</p>	CORE CODE	FOUNDATION COURSES (required)	CREDITS		35.02.00.00.060	Web Development 1	.50	1.50 credits	<i>Choose 1.00 credit of the following courses:</i>			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			<p>Web Development & Administration is: > High skill > High wage > High demand</p> <p>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</p>
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<p>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</p>	<h3 style="margin: 0;">HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING</h3> <p style="margin: 0;">There are a number of options for education and training beyond high school, depending on your career goals.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 20%; background-color: #00a651; color: white; padding: 5px;">12th Grade</th> <th style="width: 20%; background-color: #f4a460; padding: 5px;">1-Year Certificate</th> <th style="width: 20%; background-color: #90c177; padding: 5px;">2-Year Associate or Technical Degree</th> <th style="width: 20%; background-color: #f1c40f; padding: 5px;">4-Year Bachelor's Degree</th> <th style="width: 20%; background-color: #7f7f7f; padding: 5px;">More Graduate or Prof. Degree</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px; vertical-align: top;"> <p>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.</p> <p>In high school a variety of certificates can be earned.</p> </td> <td colspan="4" style="padding: 5px; vertical-align: top;"> <p>An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.</p> <p>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).</p> </td> </tr> </tbody> </table>	12th Grade	1-Year Certificate	2-Year Associate or Technical Degree	4-Year Bachelor's Degree	More Graduate or Prof. Degree	<p>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.</p> <p>In high school a variety of certificates can be earned.</p>	<p>An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions.</p> <p>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).</p>				<p>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.</p> <p>"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. <i>Silicon Slopes Magazine</i>, Spring 2017</p>																																								
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<p style="text-align: center; color: #00a651;">CTE Skill Certificates</p> <p style="font-size: small;">Competency-based student assessments, measured by core standards and competencies needed to be successful in the workforce.</p>	<p>UtahFutures: College and Career Planning</p> <p>Visit UtahFutures.org for salary projections, labor market demand, and training options.</p>																																																			
<p style="font-size: small;">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.</p>	<p style="font-size: small;">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.</p>																																																			