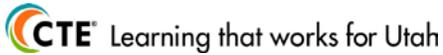


# Utah Career and Technical Education Career Pathway

## 2017-2018 School Year



<p><b>CTSO Information</b> Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.</p> <p>SkillsUSA is the CTSO for students in the Cabinetmaking/Millwork Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.</p> <p><b>Workforce Trends</b> Job prospects will be best for highly skilled workers and those with knowledge of computerized machine tool operation.</p>	<h3 style="margin: 0;">Career Cluster: Manufacturing</h3> <h4 style="margin: 0;">Career Pathway: Cabinetmaking/Millwork</h4> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr style="background-color: #00a651; color: white;"> <th style="text-align: left;">CORE CODE</th> <th style="text-align: left;">FOUNDATION COURSES (required)</th> <th style="text-align: center;">CREDITS</th> <th></th> </tr> </thead> <tbody> <tr> <td>40.10.00.00.020</td> <td>Cabinetmaking</td> <td style="text-align: center;">1.00</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">1.50 credits</td> </tr> <tr> <td>40.10.00.00.130</td> <td>Furniture Design and Manufacturing *</td> <td style="text-align: center;">.50</td> </tr> <tr style="background-color: #00a651; color: white;"> <th colspan="2" style="text-align: left;">ELECTIVE COURSES</th> <th></th> <th></th> </tr> <tr> <td>38.01.00.00.041</td> <td>CAD Architectural Design 1 *</td> <td style="text-align: center;">.50</td> <td rowspan="10" style="text-align: center; vertical-align: middle;">1.50 credits</td> </tr> <tr> <td>38.01.00.00.051</td> <td>CAD Mechanical Design 1 *</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>40.13.00.00.030</td> <td>Industrial Design *</td> <td style="text-align: center;">1.00</td> </tr> <tr> <td>40.10.00.00.072</td> <td>Machining 1 *</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>40.10.00.00.070</td> <td>Machining 2 *</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>40.10.00.00.085</td> <td>Metalworking 1 *</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>38.01.00.00.330</td> <td>PLTW Civil Engineering and Architecture</td> <td style="text-align: center;">1.00</td> </tr> <tr> <td>38.01.00.00.390</td> <td>PLTW Engineering Design and Development</td> <td style="text-align: center;">1.00</td> </tr> <tr> <td>40.10.00.00.120</td> <td>Woodworking *</td> <td style="text-align: center;">.50</td> </tr> <tr> <td>41.00.00.00.030</td> <td>Workplace Skills</td> <td style="text-align: center;">.50</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;"><b>3.00 credits for completion</b></td> <td></td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">* Course can be taken up to 1.00 credit</p> <p style="text-align: center; margin-top: 10px;"><b>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.</b></p>	CORE CODE	FOUNDATION COURSES (required)	CREDITS		40.10.00.00.020	Cabinetmaking	1.00	1.50 credits	40.10.00.00.130	Furniture Design and Manufacturing *	.50	ELECTIVE COURSES				38.01.00.00.041	CAD Architectural Design 1 *	.50	1.50 credits	38.01.00.00.051	CAD Mechanical Design 1 *	.50	40.13.00.00.030	Industrial Design *	1.00	40.10.00.00.072	Machining 1 *	.50	40.10.00.00.070	Machining 2 *	.50	40.10.00.00.085	Metalworking 1 *	.50	38.01.00.00.330	PLTW Civil Engineering and Architecture	1.00	38.01.00.00.390	PLTW Engineering Design and Development	1.00	40.10.00.00.120	Woodworking *	.50	41.00.00.00.030	Workplace Skills	.50			<b>3.00 credits for completion</b>		<p><b>Cabinetmaking/Millwork is:</b> &gt; High demand</p> <p><b>Sample Occupations Requiring:</b> <u>High School Diploma</u> &gt; Cabinetmaker &gt; Carpenter &gt; Supervisor of Construction Workers</p> <p><u>Certificate</u> &gt; Cabinetmaking and Furniture Construction</p> <p><u>Assoc. or Technical Degree</u> &gt; Cabinetry and Architectural Woodwork</p> <p><u>Baccalaureate Degree</u> &gt; Career and Technical Education Teacher</p> <p><u>Graduate or Prof. Degree</u> &gt; N/A</p>
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<p><b>Student Testimonial</b> "Throughout my high school career I focused on the Cabinetmaking/Millwork CTE Pathway. My CTE classes have prepared me in many ways such as teaching me the knowledge I need to know about woodworking, learning about all the tools and machines and how to use them, and how to create and read plans."  Kaydee Walters</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;"> <tr> <td style="background-color: #00a651; color: white; text-align: center; padding: 5px;"><b>12th Grade</b></td> <td style="background-color: #ff9900; color: white; text-align: center; padding: 5px;"><b>1-Year Certificate</b></td> <td style="background-color: #99cc33; color: white; text-align: center; padding: 5px;"><b>2-Year Associate or Technical Degree</b></td> <td style="background-color: #ffcc00; color: white; text-align: center; padding: 5px;"><b>4-Year Bachelor's Degree</b></td> <td style="background-color: #999999; color: white; text-align: center; padding: 5px;"><b>More Graduate or Prof. Degree</b></td> </tr> </table> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%; font-size: small;"> <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> </div> <div style="width: 30%; font-size: small;"> <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> </div> <div style="width: 30%; font-size: small;"> <p>From residential to commercial construction, cabinetmakers and carpenters are in demand throughout Utah.</p> <p>According to the Utah Department of Workforce Services, the median hourly wage for cabinetmakers and bench carpenters in Utah is \$16.11.</p> </div> </div>	<b>12th Grade</b>	<b>1-Year Certificate</b>	<b>2-Year Associate or Technical Degree</b>	<b>4-Year Bachelor's Degree</b>	<b>More Graduate or Prof. Degree</b>	<p><b>Utah Business and Industry Facts</b></p>																																													
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<p style="text-align: center; color: #00a651;"><b>CTE Skill Certificates</b></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 style="text-align: center; color: #333;"><b>UtahFutures: College and Career Planning</b></p> <p style="font-size: small;">Visit <a href="http://UtahFutures.org">UtahFutures.org</a> for salary projections, labor market demand, and training options.</p>																																																			
<p>In 2015-2016, 96,190 CTE skill certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Skill Certificate process.</p>	<p>In 2015-2016, the graduation rate for students who concentrated in a CTE Career Pathway was 96.6 percent, compared to Utah's statewide graduation rate of 85 percent.</p>																																																			