

# High School to College and Career Pathway: Secondary Career and Technical Education

## Area of Study: Skilled and Technical Sciences Education

### Pathway: Precision Production Trades – Cabinetmaking/Millwork

#### Get the Facts

Those individuals who work in the cabinetmaking/millwork occupation are highly skilled and require extensive on-the-job training. Mathematics, especially geometry, is an essential skill and computer skills are increasingly important.

In Utah, construction managers, construction inspectors, and building inspectors must be licensed.

#### Workforce Trends

Job prospects will be best for highly skilled workers and those with knowledge of computerized machine tool operation.



CAREER AND TECHNICAL EDUCATION Recommended Pathway Courses		
(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)		
CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL		
Course #	Foundation Courses: (required)	Credit
48.0702	Furniture Design & Manufacturing *	.50
48.0701	Woodworking *	.50
<b>Elective Courses:</b>		
52.0312	Accounting 1	.50
52.0211	Business Management	.50
48.0703	Cabinetmaking	1.00
15.1341	CAD Architectural Design 1	.50
15.1351	CAD Mechanical Design 1	.50
46.0201	Carpentry 1	1.00
50.0402	Commercial and Advertising Art *	.50
50.0401	Design and Visual Communications *	.50
52.0621	Entrepreneurship	.50
50.0404	Industrial Design	1.00
48.0501	Machining 1 *	.50
48.0503	Machining 2 *	.50
48.0514	Metalworking 1 *	.50
14.1330	PLTW Civil Engineering and Architecture	1.00
14.1390	PLTW Engineering Design and Development	1.00
48.0508	Welding Technician – Entry Level *	.50
32.0199	Workplace Skills	.50

\* Course can be taken up to 1.00 credit.

3.00 credits for completion

**Cabinetmaking/ Millwork is:**  
> High demand

#### Sample Career Occupations

- > Cabinetmaker
- > Cabinetmaking/ Millwork Teacher
- > Carpenter
- > Carpenter Helper
- > Finish Carpenter
- > Foreman
- > Line Supervisor

1.00 credit

2.00 credits

Middle School		State Requirements		High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School	9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://UtahFutures.org">UtahFutures.org</a>.</p>
Math * 1.00	Math * 1.00	2.00	Math 3.00	Math * 1.00	Math * 1.00	Math * 1.00		
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	Additional Credit 1.00		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies 3.00	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	General Financial Literacy .50			General Financial Literacy .50		
The Arts .50	The Arts .50	1.00	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
Keyboarding .50			Fine Arts 1.50	Fine Arts Courses 1.50				
College & Career Awareness 1.00		1.00	Digital Literacy .50	Comp. Tech. or Exploring Computer Science .50				
			CTE 1.00	Refer to Career and Technical Education box above.				

> \* Talk to your school counselor about math requirements in the core curriculum. Core curriculum and elective requirements may vary district to district.

> Many CTE courses may qualify for concurrent enrollment credit, which in some cases may earn up to 1.0 credit toward Pathway completion. Talk to your school counselor about availability.

> Concurrent enrollment course offerings vary by school and district.

> Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.