

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

Area of Study: Skilled and Technical Sciences Education

Pathway: Building Trades – Carpentry

Get the Facts

Carpentry is the largest occupation of the construction trades. Over 36 percent of all carpenters are self-employed.

In 2013, 1.6 percent of the people employed as carpenters were women.

Workforce Trends

As construction continues to increase in the public and private sector demand for skilled carpenters will increase. Those individuals with the proper training and skills will have abundant job opportunities to choose from.

Carpenters who complete a formal apprenticeship program receive certification as journeypersons.



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
46.0201	Carpentry 1	1.00
46.0000	Construction Trades Foundation	.50
Elective Courses:		
52.0312	Accounting 1	.50
52.0211	Business Management	.50
15.1351	CAD Mechanical Design 1 *	.50
15.1341	CAD Architectural Design 1 *	.50
15.1342	CAD Architectural Design 2 *	.50
48.0703	Cabinetmaking	1.00
46.0202	Carpentry 2	1.00
46.0302	Electrician 1	1.00
15.0321	Electronics 1	.50
52.0621	Entrepreneurship	.50
48.0702	Furniture Design & Manufacturing *	.50
47.0201	HVAC	1.00
46.0501	Plumbing 1	1.00
48.0701	Woodworking *	.50
32.0199	Workplace Skills	.50

1.50 credits

1.50 credits

3.00 credits for completion

Carpentry is:

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

Sample Career Occupations

- > Carpenter
- > Carpenter Helper
- > Carpentry Teacher
- > Construction Laborer
- > Construction Manager
- > Finish Carpenter
- > Foreman

Nationwide, employment of carpenters is projected to increase 24 percent through the year 2022.

In Utah, a construction manager and a building inspector must be licensed.

* Course can be taken up to 1.00 credit.

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"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>For more information on salary projections, labor market demand, and training options, visit UtahFutures.org.</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	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts 1.50	Fine Arts Courses 1.50				
Keyboarding .50			Digital Literacy .50	Comp. Tech. or Exploring Computer Science .50				
College & Career Awareness 1.00		1.00	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.