

Career Pathway
Associate in Applied Science Degree in Carpentry

Program Purpose: Graduates will demonstrate (1) basic knowledge in the residential construction trades which will prepare them to obtain an entry-level position in the field and (2) competency in communication, critical thinking, quantitative analysis, and technological applications.

Program Description: Provides graduates with essential carpentry skills required for entry-level employees in the housing construction industry. This program is certified with the National Skills Standards for Construction Trades.

What's **your** career path?



Related Degree Programs
<p>Arizona State University: Bachelor of Science (B.S.) in Construction - content emphasis in:</p> <ul style="list-style-type: none"> *Concrete Industry Management *General Building Construction *Heavy Construction *Residential Construction *Specialty Construction

Related Occupations Based on Level of Education	
Community College or Technical School	Journeyman, Mason
4-yr College or University	General Construction Supervisor, Self-Employed
Salary Range	\$22,000 to \$63,000

Journeyman?
 Construction Supervisor?
 College Degree?



Yuma/La Paz Tech Prep Consortium
 P.O. Box 929 • Yuma, Arizona 85366
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Career Pathway Carpentry

High School Plan

Student Name: _____

School: _____

Counselor/Advisor: _____

GRADE	English/ Language Arts	Math	Phys Ed, Health, Social Studies	Science	Program Elective	Total Credits	Related CTSO Programs	Notes		
8th grade parent / student night - Take Career Interest Survey										
Freshman	English I	Algebra I	Physical Education I ↔ Health	Earth Science	Exploring Technology	Welding Technology	6			
Sophomore	English II	Algebra II	World History/Civil OR Geography	Biology	Computer Application I ↔ Physical Education II	Construction I	6			
In 10th grade, assess for college readiness by taking the AWC Accuplacer (college placement test)										
Junior	English III	Geometry	US History	Chemistry	<ul style="list-style-type: none"> • Vocational Welding (2 Period Block) WLD 105/106 (6 cr) 	6				
In 11th grade, assess for college readiness by taking the AWC Accuplacer (college placement test)										
Senior	English IV	Math Analysis	Government ↔ Economics	<ul style="list-style-type: none"> • Business Ownership ENT 240: Business Plan Dev. (3 cr) 	<ul style="list-style-type: none"> • Vocational Construction (2 Period Block) CTM 124: Building Const. Mthds II (3 cr) 	6	24 Total Credits			

Courses needed to complete A.A.S. in Carpentry at Arizona Western College

GRADE	Freshman Composition	Math	Social & Behavioral Sciences	Arts & Humanities	Physical & Biological Sciences	Major Requirements			Total Credits	Notes
1st Semester <i>(Fall)</i>	ENG 101: Freshman Composition I (3 cr)	MAT 105: College Math for Applied Sciences (3 cr)			SCI 100 (2 cr)	CTM 105: Blueprint Reading for Construction (3 cr)	CTM 123: Building Construction Methods I (3 cr)	TEC 165: Employee and Occupational Safety (3 cr)	17 <i>(3 completed during High School)</i>	
2nd Semester <i>(Spring)</i>	ENG 102: Freshman Composition II (3 cr)				SCI 105 (2 cr)	CTM 221: Structural Design and Building Materials (3 cr)	• CTM 124: Building Construction Methods II (3 cr)	CTM 122: Const. Materials / Equipment Safety (3 cr)	14 <i>(3 completed during High School)</i>	
3rd Semester <i>(Fall)</i>				Arts & Humanities (3 cr)	• WLD 106: Techniques in Shielded Metal Arc (3 cr)	CTM 224: Concrete and Concrete Form Systems (3 cr)	ECT 105: Basic Electricity (3 cr)	CTM 110: Construction Estimating (3 cr)	15 <i>(3 completed during High School)</i>	
4th Semester <i>(Spring)</i>	• WLD 105: Techniques in Oxyacetylene (3 cr)		Social & Behavioral Sciences (3 cr)		DFT 185: Intro to Computer Aided Drafting (3 cr)	ARC 101: Air Conditioning and Refrigeration I (3 cr)	• ENT 240: Business Plan Development (3 cr)	CTM 230: Construction Mgmt. Field Operations (3 cr)	18 <i>(6 competed during High School)</i>	
• Dual Enrollment Course		■ Concurrent Enrollment Course		▼ Pre-Requisite / Co-Requisite Required		◆ Pre - Requisite / Co-Requisite Course		64 Total Credits <i>(15 completed during High School)</i>		

Electives
 Required
 A.A.S. General Requirement
 Recommended Elective
 Required Elective