

Career Pathway

Associate in Applied Science Degree in Plumbing

Program Purpose: Graduates will demonstrate (1) basic knowledge in the plumbing field 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 the essential skills required of an entry level employee in the construction trades industry. This program is certified with the National Association of Home Builders through the Home Builders institute and encompasses the National Skills Standards for the Construction Trades.

What's **your** career path?



Pipelayer
Supervisor?
College Degree?

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	Pipelayer, Plumber, Pipefitter, or Steamfitter
4-yr College or University	Mechanical or Construction Supervisor
Salary Range	\$25,000 to \$72,000



Yuma/La Paz Tech Prep Consortium
P.O. Box 929 • Yuma, Arizona 85366
(928) 344-7754 • Fax: (928) 317-6108




Career Pathway Plumbing Technology

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 ↕ Construction I	6		During Senior year enroll in MAT 105 at AWC to receive concurrent credit.		
Sophomore	English II	Algebra II	World History/Civil OR Geography	Biology	Computer Application I ↕ Physical Education II	6				
In 10th grade, assess for college readiness by taking the AWC Accuplacer (college placement test)										
Junior	English III	Geometry	US History	Chemistry	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	• Vocational Construction (2 Period Block)	Business Ownership • ENT 240 (3 cr)	6	24 Total Credits			

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

GRADE	Freshman Composition	Math	Social & Behavioral Sciences	Arts & Humanities	Physical & Biological Sciences	Major Requirements			Total Credits	Notes	
1st Semester (Fall)	ENG 101: Freshman Composition I (3 cr)	MAT 105: College Math for Applied Sciences (3 cr)			SCI 100 (2 cr)	PCT 105: Plumbing Safety (3 cr)	ARC 101: Air Conditioning and Refrigeration I (3 cr)	TEC 165: Employee and Occupational Safety (3 cr)	17 (3 completed during High School)		
2nd Semester (Spring)	ENG 102: Freshman Composition II (3 cr)				ECT 105: Basic Electricity (3 cr)	PCT 110: Plumbing Blueprints & Codes (3 cr)	ARC 113: Heating Technology (3 cr)	DFT 185: Intro to Computer Aided Drafting (3 cr)	15		
3rd Semester (Fall)				Arts & Humanities (3 cr)	• WLD 106: Techniques in Shielded Metal Arc (3 cr)	PCT 115: Plumbing Drain, Waste & Venting (3 cr)	PCT 205: Plumbing Water Supply & Distribution (4 cr)	CTM 110: Construction Estimating (3 cr)	16 (3 completed during High School)		
4th Semester (Spring)	• WLD 105: Techniques in Oxyacetylene (3 cr)		Social & Behavioral Sciences (3 cr)		SCI 105 (2 cr)	PCT 210: Plumbing Fixtures & Installation (4 cr)	• ENT 240: Business Plan Development (3 cr)	CTM 230: Construction Mgmt. Field Operations (3 cr)	18 (6 completed during High School)		
• Dual Enrollment Course		■ Concurrent Enrollment Course		▼ Pre-Requisite / Co-Requisite Required		◆ Pre - Requisite / Co-Requisite Course		64 Total Credits (12 completed during High School)			
		■	■	■	■	■	■	■			
		Electives		Required		A.A.S. General Requirement		Recommended Elective		Required Elective	