

CURRICULUM GUIDE

Setting a path for your future education

NOTES

FIVE YEAR PLUMBING APPRENTICESHIP

International Pipe Trades Joint Training Committee, Inc.

FIRST YEAR OF APPRENTICESHIP

FALL & SPRING BLOCK

Heritage Program	12	Oxy-Fuel Cutting & Welding and Shielded Metal-Arc Welding	48
Use and Care of Tools	24	Related Mathematics	30
Pipe, Fittings, Valves, Supports and Fasteners	24	Rigging	24
Job Safety and Health OSHA Smart Mark	30	Drawing Interpretation and Plan Reading	30
Soldering & Brazing	24		

SECOND YEAR OF APPRENTICESHIP

FALL & SPRING BLOCK

Related Science	54
Drawing Interpretation and Plan Reading	48
Basic Electricity	36
Oxy-Fuel Cutting & Welding and Shielded Metal-Arc Welding	108

THIRD YEAR OF APPRENTICESHIP

FALL & SPRING BLOCK

Related Mathematics Formulas for	54	Drainage	66
Related Mathematics in the Pipe Trades		A Guide to Service Work	42
Pipe Measurements-Two Metric Measurements		Human Relations and Salesmanship	
Water Supply	72		
Pumps	12		

FOURTH YEAR OF APPRENTICESHIP

FALL & SPRING BLOCK

Advanced Plan Reading & Related Drawing and Sketching	36	A Guide to Service Work Planning Service Work	54
Plumbing Fixtures & Appliances	57	Troubleshooting Plumbing Systems	
Gas Installations	45	Special Purpose Installations, Installation, Repair and Maintenance of other than Standard Bathroom Fixtures and Appliances, etc.	
Plumbing Code	54		

FIFTH YEAR OF APPRENTICESHIP

FALL & SPRING BLOCK

Advanced Plan Reading & Related Drawing, Sleeve Drawing & Deck Layout Drawing, Coordination & Piping Systems Design, C.A.D.	36	Certified Medical Gas Systems Installers & Brazer Qualification	40
Related Mathematics Instruments Used for Piping Systems Layout	24	Backflow Prevention & Cross-Connection Control	40
		Leadership Courses, Computer Classes, C.A.D.	106

PLBG

216

TOTAL CLASSROOM
HOURS REQUIRED

Upon acceptance into the apprenticeship program, you will be required to complete five years of training, with each year consisting of up to 2,000 hours of on-the-job training and a minimum of 216 hours of classroom instruction: "proof" that you're the best trained worker for the job. After successfully completing the five-year program, you become a full-fledged journeyman. Once reaching journeyman status, union workers are evaluated for individual skill level and have the opportunity to advance their careers through U.A. continuing education programs.

Apprentices and journeymen can also earn an Associates Degree of Applied Science in Apprenticeship Pipefitting. In addition, they have the opportunity to pursue U.A. STAR certification after the fifth year of apprenticeship. Upon passing the U.A. STAR test, apprentices and journeymen will walk away with even higher earning power and 30 credits toward an Associates Degree in Construction Supervision. US STAE training is ISO3002 certified and ANSE approved.

**PLUMBERS &
PIPEFITTERS**
LOCAL 562