



## Pipefitting

### DEGREE SHEET / 2023-2024 CATALOG

Student name:

Eagle ID:

Eagle Email:

Phone:

### Certificate of Technical Trades (Pipefitting, Apprenticeship track)

The Certificate in Technical Trades (Pipefitter Apprenticeship) program will provide you with opportunities to develop marketable skills installing, repairing, and maintaining common residential and commercial pipefitting for plumbing systems. The core principles and concepts of piping for plumbing systems are covered in each course. Students completing this program may continue to an Associate Degree in Technical Trades (Plumbing). This program is only offered to members of the Local 412 Plumbing & Pipefitters Union.

GENERAL EDUCATION REQUIREMENTS (3 Credits)	SEMESTER	GRADE
<b>AREA I: COMMUNICATIONS (3 Credits)</b>		
ENGL 1110 Composition I (3.0) <i>Pre-requisites: ENG 109N or adequate score on the Course Placement Evaluation</i>		
<b>PROGRAM REQUIREMENTS (32 Credits)</b>		
MATH 1170 Applied Trades Math (3.0) <i>Pre-Requisite: None</i>		
PLAP 1117 Plumbing Apprenticeship I (5.0) <i>Pre-requisite: None</i>		
PLAP 1127 Plumbing Apprenticeship II (3.0) <i>Pre-requisite: None</i>		
PLAP 1217 Plumbing Apprenticeship III (5.0) <i>Pre-requisite: None</i>		
PLAP 1227 Plumbing Apprenticeship IV (3.0) <i>Pre-requisite: None</i>		
PLAP 1318 Plumbing Apprenticeship IX (4.0) <i>Pre-requisite: None</i>		
PLAP 1328 Plumbing Apprenticeship X (2.5) <i>Pre-requisite: None</i>		
PLAP 1418 Plumbing Apprenticeship XI (2.0) <i>Pre-requisite: None</i>		
PLAP 1428 Plumbing Apprenticeship XII (4.5) <i>Pre-requisite: None</i>		

<b>TOTAL CREDITS 35</b>		
<b>ADVISOR APPROVAL</b>	<b>DATE</b>	

## Mapping

- Plumbing Apprenticeship I will include concepts in OSHA 1000, Use & Care of Tools, and Soldering and Brazing
- Plumbing Apprenticeship II will include concepts in Rigging and Signaling and associated Science Topics
- Plumbing Apprenticeship III will include concepts in Plan Reading/Drawing, Pipe, Valves, Fitting, and Plastic Piping Installer
- Plumbing Apprenticeship IV will include Plumbing Fixtures and Appliances, and Water Supply
- Plumbing Apprenticeship IX will include Metal Fabrication, Cutting, Beveling and Safety
- Plumbing Apprenticeship X will include Metallurgy and the effect of welding metallurgic structures including joint welds
- Plumbing Apprenticeship XI will include Shielded Metal Arc Welding (SMAW)
- Plumbing Apprenticeship XII will include Mechanical Code as it applies to Gas Installers and Pipefitters

## SUGGESTED SEQUENCE OF COURSES

### **FIRST SEMESTER (5 Credits)**

PLAP 1117 Plumbing Apprenticeship I (5.0)

### **SECOND SEMESTER (5.5 Credits)**

PLAP 1127 Plumbing Apprenticeship II (3.0)

MATH 1170 Applied Trades Math (3)

### **THIRD SEMESTER (8 Credits)**

PLAP 1217 Plumbing Apprenticeship III (5.0)

ENG 1110 Composition I (3)

### **FOURTH SEMESTER (3.5 Credits)**

PLAP 1227 Plumbing Apprenticeship IV (3.0)

### **FIFTH SEMESTER (4.0 Credits)**

PLAP 1318 Plumbing Apprenticeship IX (4.0)

### **SIXTH SEMESTER (2.5 Credits)**

PLAP 1328 Plumbing Apprenticeship X (2.5)

### **SEVENTH SEMESTER (2.0 Credits)**

PLAP 1418 Plumbing Apprenticeship XI (2.0)

### **EIGHTH SEMESTER (4.5 Credits)**

PLAP 1428 Plumbing Apprenticeship XII (4.5)