

**APED 358 Course Outline as of Fall 2025****CATALOG INFORMATION**

Dept and Nbr: APED 358 Title: APP PLUMBERS, 9TH SEM

Full Title: Apprentice Plumbers, Ninth Semester

Last Reviewed: 5/13/2024

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	0	18	Lecture Scheduled	0
Minimum	2.00	Lab Scheduled	6.00	8	Lab Scheduled	108.00
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	108.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 108.00

Title 5 Category: AA Degree Non-Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the ninth semester of a ten-semester program.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:**

Indentured apprentice

**Schedule of Classes Information:**

Description: Students will be introduced to training related to Plumbers and Pipefitters indentured apprenticeship. This is the ninth semester of a ten-semester program. (Grade Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: Indentured apprentice

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

### **CID:**

### **Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Demonstrate knowledge of theory and regulations of plumbers and pipefitting trade
2. Apply best practices in the practical environment related to plumbers and pipefitting trade

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Select appropriate plumbing fixtures and appliances in the design of plumbing systems
2. Incorporate principles of water supply and drainage for special purpose installations
3. Read and interpret complex construction documents

### **Topics and Scope:**

- I. Plumbing Fixtures and Appliances
- II. Drainage Water Supply
- III. Special Purpose Installations
- IV. Complex Construction Documents

### **Assignment:**

1. Homework assignments
2. Quizzes and examinations (3 to 5)
3. On-the-job demonstration of skill development, safety practices, equipment and material handling

### **Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None	Writing 0 - 0%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
Homework assignments; quizzes; field work	Problem solving 10 - 25%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Class performances; field work	Skill Demonstrations 50 - 65%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Quizzes and examinations	Exams 10 - 20%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
Attendance and participation	Other Category 5 - 10%

**Representative Textbooks and Materials:**

Basic Electricity. International Pipe Trades Joint Training Committee. 2019. (classic).