

**APED 353.4 Course Outline as of Summer 2025****CATALOG INFORMATION**

Dept and Nbr: APED 353.4 Title: APP ROOFERS, MODULE 4

Full Title: Apprentice Roofers, Module 4

Last Reviewed: 2/24/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	0	16	Lecture Scheduled	0
Minimum	0.50	Lab Scheduled	2.00	8	Lab Scheduled	32.00
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	32.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 32.00

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: APED 350.4

**Catalog Description:**

Related supplemental instruction for apprentice roofers (module 4 of 10).

**Prerequisites/Corequisites:**

Minimum Age 18 or older

**Recommended Preparation:****Limits on Enrollment:**

Admission to Program - Indentured Roofer Apprenticeship.

Applicants shall be at least 18-years of age at the time of indenture.

**Schedule of Classes Information:**

Description: Related supplemental instruction for apprentice roofers (module 4 of 10). (Grade Only)

Prerequisites/Corequisites: Minimum Age 18 or older

Recommended:

Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.

Applicants shall be at least 18-years of age at the time of indenture.

Transfer Credit:

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

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

**AS Degree:**      **Area**      Effective:      Inactive:

**CSU GE:**      **Transfer Area**      Effective:      Inactive:

**IGETC:**      **Transfer Area**      Effective:      Inactive:

**CSU Transfer:**      Effective:      Inactive:

**UC Transfer:**      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. Describe and demonstrate roofing principles and regulations related to the roofing trade.
2. Apply best practices in practical environment related to the roofers' trade.

**Objectives:**

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

1. Demonstrate the methods of roof preparation and the handling and loading of built-up roofing materials.
2. Describe the application procedures of built-up roof assemblies.

**Topics and Scope:**

- I. Safety
- II. Built-up Roofing
  - A. Preparation, handling, and loading of built-up roofing materials
  - B. Mopping operations
  - C. Application of built-up roof assemblies
  - D. Insulation and its application
  - E. Cutting and folding of corners
  - F. Sumps and drains
  - G. Flashing

**Assignment:**

1. Homework assignments (1 to 2 sets per week)
2. Quizzes and examinations (4 to 6 per semester)
3. Class performances and field work (on-the-job demonstrations) 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%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework assignments; field work

Problem solving  
10 - 25%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances; field work

Skill Demonstrations  
50 - 65%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes and examinations

Exams  
10 - 20%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation

Other Category  
5 - 10%

### Representative Textbooks and Materials:

Built-up Roofing. 2nd ed. Whitter, Craig. General Training Company. 2006 (classic)