

ATRF-1010: INTRODUCTION TO ROOFING

Cuyahoga Community College

Viewing: ATRF-1010 : Introduction to Roofing

Board of Trustees:

January 2025

Academic Term:

Spring 2025

Subject Code

ATRF - Applied Industrial Technology - Roofing

Course Number:

1010

Title:

Introduction to Roofing

Catalog Description:

Introduction to the roofing apprenticeship including an in-depth overview of OSHA regulations as related to the construction industry with a focus on roofing. Covers union history, requirements of the apprentice, and the Labor-Management relationship as it pertains to the Joint Apprenticeship Committee. An overview of policies and procedures regarding apprentices and safety principles.

Credit Hour(s):

1

Lecture Hour(s):

1

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Roofer's Apprenticeship Program.

Outcomes

Course Outcome(s):

Describe the difference in the skills and benefits of a union vs. non-union roofer.

Objective(s):

1. Explain the roofer's apprenticeship program.
2. Describe the benefits of being a union member.
3. Discuss the advantage of having representation that can discuss issues and problems you may have on a job site.
4. Discuss the history of organized labor.
5. Explain the origins of the United Roofer's, Waterproofers, and Allied Craft Workers.

Course Outcome(s):

Recognize common jobsite hazards and complete OSHA 10 Construction certification.

Objective(s):

1. Cite the need for Occupational Safety and Health Administration (OSHA) law.
 2. Identify and abate common jobsite hazards.
 3. Analyze hazardous materials and develop mitigation procedures.
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Methods of Evaluation:

1. Quizzes from Roofer's International raining Resource center
2. Exams from Roofer's International Training Resource Center
3. PPE evaluations
4. OSHA 10 evaluations
5. Participation

Course Content Outline:

1. Union Membership Benefits
 - a. Health benefits
 - b. Multiple Retirement plans
 - c. Benefits of having multiple employers
 - i. Job security
 - ii. Continued work opportunities
 - d. Lobbying Union can do on a worker's behalf
 - i. Worker's rights
 - ii. Safety
 - iii. Wage and benefit negotiation
 - iv. Representation for issues and problems you may have on a job site
 - e. Stability of Union Contractor
 - f. History of Roofer's Union
 - i. Modern Labor Movement
 - ii. Industrial Revolution
 - iii. Davis Bacon
 - iv. Taft Hartley
 - v. Matchstick girls walkout
 - vi. Post WWII Boom
 - vii. Union Decline
 - viii. Current public opinions
2. OSHA 10 Construction
 - a. Intro to OSHA
 - b. Falls
 - c. Electrocution
 - d. Struck By
 - e. Caught Between
 - f. Haz com
 - g. Personal Protective Equipment (PPE)
 - h. Stairs and Ladders
 - i. Aerial Lifts
 - j. Scaffolding
 - k. Confines Space
 - l. Health Hazards
 - m. Material Handling

Resources Other

1. Roofer's Training Resource Center. Rooferstrc.com. 2024.
2. OSHA 1926 (look up from CNST-1750)
3. www.osha.gov (<http://www.osha.gov>) . 2024
4. Interactive Learning Paradigms,Inc.Material Safety Data Sheet (MSDS)

Search Web Page, www.ilpi.com/msds (<http://www.ilpi.com/msds/>)

- FEMA Resource Center (2021) <https://training.fema.gov/>
- National Safety Compliance YouTube Channel (2022) <https://www.youtube.com/c/oshasafetytraining> (<https://www.youtube.com/c/oshasafetytraining/>)
- OSHA General Industry Resources Page (2023) <https://www.osha.gov/general-industry> (<https://www.osha.gov/general-industry/>)

Key: 5292