

KAUFFMAN Co.

FIRE & LIFE SAFETY

FITTER APPRENTICESHIP PROGRAM

LEVEL ONE

TEST AT 90 DAYS

Starting at \$18/hour
+ \$1/hour once test is passed

Module 101 Basic Construction Math

- Solve basic arithmetic problems
- Demonstrate proficiency with a tape measure in imperial units

Module 102 Hand Tools

- Identify common hand tools

Module 103 Introduction to Power Tools

- Display Competence with various types of power drills and impact wrenches
- Display competence with various types of power saws

- Display competence with a pipe threading machine
- #### Module 104 Introduction to Construction Drawings
- Identify components and features used in construction drawings

Module 105 Housekeeping

- Clean working area at end of each day
- Job Box security and ladder security

Module 106 Material Handling

- Identify the basic concepts of material handling and common safety precautions
- Demonstrate proficiency in basic material handling

Module 107 Steel Pipe and Fittings

- Identify various steel pipe fittings
- Identify underground piping system components
- Size and select steel pipe
- Prepare pipe for fittings
- Groove pipe and install grooved fittings
- Thread pipe and install threaded fittings
- Select and install flanged fittings

Module 108 Hangers and Supports

- Identify various types of hanger assemblies
- Select and install pipe hanger assemblies
- Demonstrate proficiency with firestopping materials and methods

LEVEL TWO

TEST AT 18 MONTHS

+\$2/hour when test is passed

Module 201 Types of Sprinkler Systems and Components

- Identify the various types of sprinkler systems and their purposes
- Identify common sprinklers and their operating characteristics
- Identify different types of basic piping
- Identify the codes and standards applicable to sprinkler systems

Module 202 General Purpose Valves

- Identify the function and operation of the control valves used in sprinkler systems
- Identify the function of the system valves used in sprinkler systems

Module 203 Shop Drawings (30 hours)

- Identify the types of drawings used in sprinkler system installation
- Identify common symbols used in sprinkler system shop drawings

Module 204 Wet Pipe Sprinkler Systems

- Identify the function and operation of wet pipe sprinkler system control valves
- Identify the types of switches used in wet pipe sprinkler systems
- Demonstrate how to test wet pipe sprinkler systems

Module 205 Dry Pipe Sprinkler Systems

- Identify the function and operation of dry pipe sprinkler system valves
- Demonstrate proper technique for installing piping at the correct pitch to drains
- Identify the air sources and air maintenance devices used in dry pipe sprinkler systems
- Demonstrate how to test and reset dry pipe sprinkler system

LEVEL THREE

TEST AT 36 MONTHS

+\$3/hour once test is passed
totaling \$24/hour or
\$49,920 annually

Module 301 Deluge and Preaction Sprinkler Systems

- Identify the function and operation of various deluge sprinkler system components
- Identify the function and operation of various preaction systems
- Demonstrate how to test and troubleshoot deluge and preaction systems

Module 302 Standpipes

- Identify standpipe system components and describe their installation requirements
- Demonstrate proper technique for acceptance testing of standpipe systems

Module 303 Fire Pump Systems

- Identify types of fire pumps and drivers
- Demonstrate installation requirements for fire pump piping and related components
- Demonstrate ability to isolate controllers property

Module 304 Application Specific and Special Sprinklers (40 hours)

- Identify the characteristics of application-specific and special sprinklers

Module 305 Safety

- Certified OSHA 30

CONTACT US

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