

# FIRE 0101 - FIREFIGHTER CERTIFICATION TESTING

## Catalog Description

Prerequisite: Completion of FIRE 100 with grade of C or better or, 1) A signed statement by the agency's Fire Chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter-1, or 2) Documentation of approval from the California State Fire Training for a certification retest, or 3) Completion of a Firefighter I academy and applying for certification testing

Hours: 56 (8 lecture, 48 laboratory)

Description: Prepares students to meet the State Fire Training (SFT) requirements for Firefighter I (FFI) and II (FFII) including the capstone knowledge and skills necessary to pass FFI FFII. Upon successful completion, students receive a pass letter from SFT and a FFI and FFII pass certificate from the college. (pass/no pass grading) (not transferable)

## Course Student Learning Outcomes

- CSLO #1: Identify the Firefighter I & II certification track and capstone task book requirements.
- CSLO #2: Demonstrate the ability to perform municipal Firefighter-1 and II skills.
- CSLO #3: Demonstrate the ability to perform Wildland Firefighter-1 skills.
- CSLO #4: Demonstrate the ability to perform Hazardous Materials FRO skills.

## Effective Term

Fall 2019

## Course Type

Credit - Degree-applicable

## Contact Hours

56

## Outside of Class Hours

16

## Total Student Learning Hours

72

## Course Objectives

Lecture:

1. Identify the Firefighter I certification track, test evaluation methods participation and capstone task book requirements.
2. Describe the mission of the fire service and the role of the firefighter and the Standard Operating Procedures (SOP's) rules and regulations used by fire departments.

FF1A Laboratory Objectives

1. Inspect SCBA
2. Don Structural PPE
3. Don SCBA

4. Doff SCBA
  5. Doff, Inspect, and Prepare Structural PPE for Reuse
  6. Doff SCBA and PPE for Gross Decontamination
  7. Initiate a Response to an Emergency
  8. Receive a Telephone Call
  9. Operate a Fire Department Radio
  10. Replace an SCBA Air Cylinder
  11. Use SCBA During Emergency Operations
  12. Respond to an Emergency Scene on an Apparatus
  13. Operate at an Emergency Scene
  14. Force Entry into a Structure
  15. Activate an Emergency Call and Exit a Hazardous Area
  16. Lift, Carry, and Raise a Ground Ladder
  17. Attack a Passenger Vehicle Fire
  18. Operate a Portable Master Stream
  19. Extinguish an Exterior Fire
  20. Search for and Rescue a Victim with no Respiratory Protection
  21. Rescue a Fire Fighter
  22. Use a Ladder for Rescue
  23. Operate a Charged Attack Hoseline from a Ground Ladder
  24. Attack a Live Interior Structure Fire
  25. Attack a Simulated Interior Structure Fire
  26. Extend a Hoseline
  27. Load, Deploy, and Advance an Attack Line
  28. Load Supply Hose
  29. Perform Horizontal Ventilation
  30. Perform Vertical Ventilation
  31. Overhaul a Fire Scene
  32. Remove Charred Materials
  33. Control Water Flow from a Sprinkler System
  34. Remove Water from the Interior of a Structure
  35. Salvage a Room and its Contents
  36. Cover Building Openings
  37. Deploy Portable Tank and Prepare for Drafting Operations
  38. Forward Hose Lay
  39. Select, Carry, and Operate a Portable Fire Extinguisher
  40. Light a Scene
  41. Turn Off Building Utilities
  42. Combat a Ground Cover Fire
  43. Tie Knots
  44. Hoist Tools Aloft
  45. Operate Hand and Power Tools
  46. Operate an Air-Monitoring Instrument
  47. Clean and Check Equipment
  48. Replace a Burst Section of Hose
  49. Build Hose Rolls
  50. Clean and Maintain Hose and Mark Defective Hose
- FF1B Laboratory Objectives:
1. Recognize, Identify, and Isolate Hazardous Materials WMD
  2. Identify Markings
  3. Perform Emergency Decontamination
  4. Don, Work In, and Doff Chemical Protective Clothing
  5. Perform Product Control
- FF1C Laboratory Objectives:
1. Don Wildland Personal Protective Equipment
  2. Deploy a Fire Shelter
  3. Doff Wildland Personal Protective Equipment
  4. Maintain Assigned Personal Protective Equipment
  5. Maintain Hand Tools and Equipment
  6. Assemble and Prepare for Response
  7. Use Incident Response Pocket Guide
  8. Assume Safety Position for Retardant Drop

9. Assemble, Use, and Maintain a Back Pump
10. Perform a Progressive Hose Lay (Hose)
11. Perform a Progressive Hose Lay (Nozzle)
12. Construct a Fireline Using Hand Tools
13. Perform Mobile Pumping
14. Ignite and Extinguish Road Flares and Fusees
15. Assemble, Ignite, Extinguish, and Disassemble a Drip Torch
16. Prep and Defend a Structure
17. Perform Mop Up Operations
18. Patrol the Fire Area

FF2A Laboratory Objectives:

1. Organize an Incident Management System
2. Complete a Basic Incident Report
3. Communicate the Need for Team Assistance
4. Extinguish an Ignitable Liquid Fire
5. Control a Flammable Gas Cylinder Fire
6. Coordinate an Interior Fire Attack Line
7. Protect Evidence of Fire Cause and Origin
8. Extricate a Victim Entrapped in a Motor Vehicle
9. Assist a Rescue Operations Team
10. Perform a Fire Safety Survey in an Occupied Structure
11. Present Fire Safety Information
12. Prepare a Preincident Survey
13. Maintain Power Plants, Tools, and Equipment
14. Perform an Annual Service Test on a Fire Hose

## General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

## Articulation Information

- Not Transferable

## Methods of Evaluation

- Objective Examinations
  - Example: Students will take an summative exam. Standard grading will be used: 90-100%=A, 80-89%=B, etc. Sample Question: Firefighter Certification testing includes which of the following? A. Skill testing B. Written testing C. Both Skills and Written Test D. Manipulative and Physical testing
- Skill Demonstrations
  - Example: Given an uncharged hose line, and using identified techniques and safety guidelines, students will demonstrate the proper procedure to advance an uncharged hose line. Students will be graded on their ability to complete all steps in accordance with State Fire Training skill sheets. This is a pass/fail evaluation.

## Repeatable

No

## Methods of Instruction

- Laboratory
- Lecture/Discussion

Lab:

1. The instructor will demonstrate how to properly spot, raise and lower a 24' extension ladder. The instructor will then supervise as students demonstrate how to raise and lower a 24' extension ladder for a given scenario, i.e., raise ladder to a 2nd story window for a rescue.

Lecture:

1. The instructor will facilitate classroom discussion on the firefighter capstone certification testing process and how the process works. Students will recite the process.
2. The instructor will lecture on how to access and use a firefighter skill testing sheets on donning personal protective equipment from the State Fire Training web site. Students will each download the assigned skill sheet and demonstrate how to don personal protective equipment based on the steps indicated on the skill sheet.

## Typical Out of Class Assignments Reading Assignments

1. Students will read assigned State Fire Training skill sheet on donning Personal Protective clothing. Students will outline each step to an assigned group.
2. Students will read assigned material on the firefighter certification testing process. Through classroom discussion, students will present and outline each step.

## Writing, Problem Solving or Performance

1. Given a simulated fire scenario, students will determine where to best place a ladder for rescuing a person from a 2nd floor window.
2. Given two pieces of rope of unequal diameters, students will demonstrate how best to tie the two ropes together.

## Other (Term projects, research papers, portfolios, etc.)

## Required Materials

- Fundamentals of Firefighter Skills and Hazardous Materials Response
  - Author: National Fire Protection Agency (NFPA) and the International Association of Fire Chiefs (IAFC)
  - Publisher: Jones and Bartlett Learning
  - Publication Date: 2019
  - Text Edition: 4th
  - Classic Textbook?:
  - OER Link:
  - OER:

## Other materials and-or supplies required of students that contribute to the cost of the course.