

# CDF - COUNTY FIRE COURSE DESCRIPTIONS

(Alphabetically by Class Name)

## FSTEP Course: **AUTO EXTRICATION**

Hours: 16

Designed For: All fire service personnel

Description: This course provides students with hands-on experience in the procedures and systems utilized during an automobile extrication. Subjects covered include: Auto extrication size-up, types of incidents, safety precautions, ICS for auto extrication, types of hand and power tools, removing windows, opening doors, removing roofs, pulling steering wheels, moving foot pedals, raising dashboards, pulling seats, stabilization of vehicles, and simulated rescues of trapped victims.  
Prerequisites: VFFI/FFI

## CDF Course: **BASIC EMERGENCY VEHICLE OPERATIONS/ PREVENTATIVE MAINTENANCE** (*Every 2 years*)

Hours: 24

Designed For: All fire service personnel

Description: This course provides students with information on driver responsibilities. Topics include: Vehicle laws, defensive driving techniques for emergency vehicles, techniques of basic inspection and maintenance for emergency vehicles, and actual driving exercises under simulated emergency conditions. Preventative Maintenance is a basic review of the DMV vehicle pre-trip inspection, ME-14 & ME-101 procedures, and CDF/County Fire Policies on mobile equipment.

Prerequisites: VFFI/FFI, Class B License, Defensive Driving, Pump Ops

## CZU Course: **BASIC HAZARDOUS MATERIALS MODULE** (*4 Sections, See bullet points*)

Hours: 32

Designed for: All New Volunteer Fire Fighters

Description: This module includes: Hazardous Materials First Responder Operational (FRO), Hazardous Materials First Responder Operational Decontamination, Confined Space Awareness, and Swift Water Rescue Awareness.

Prerequisites: Basic VFF Safety and Orientation & SCBA

### ➤ FSTEP Course: **CONFINED SPACE RESCUE AWARENESS**

Hours: 7

Designed For: All fire service personnel

Description: This course provides instruction in identifying a permit and non-permit required confined space, the hazards associated with confined spaces, target industries and hazards, state regulations, communications, and equipment requirements. This course does not qualify participants to make permit required entries.

Prerequisites: Basic VFF Safety and Orientation

### ➤ FSTEP Course: **HAZARDOUS MATERIALS FIRST RESPONDER** (*OPERATIONS LEVEL*)

Hours: 16-24

Designed For: Fire department personnel who may respond to releases or potential releases of hazardous materials as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.

Description: Defensive tactics to contain the release from a safe distance and keep it from spreading and prevent exposures without trying to stop the release. Meets and exceeds the requirements of CFR 29 1910.120 and CCR Title 8.

Prerequisites: Basic VFF Safety and Orientation

### ➤ FSTEP Course: **HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL, DECONTAMINATION**

Hours: 8

Designed For: Hazardous material emergency response personnel

Description: This course will provide the haz mat emergency responder with the processes used in decontamination and methods to limit the spread of hazardous materials contamination in a safe and competent manner.

Prerequisites: OSFM recognized/approved Hazardous Materials First Responder (Operations Level)

➤ **CDF Course: SWIFT WATER AWARENESS**

Hours: 6-8

Designed For: All fire service personnel

Description: This 4 hour class provides an emphasis on developing safety and self-rescue skills. Objectives include understanding water dynamics, handling hazards and obstacles, and using basic rescue equipment.

Pre-requisites: Basic VFF Safety and Orientation

**FSTEP Course: BASIC PUMP OPERATIONS**

Hours: 16

Designed For: All fire service personnel

Description: This course provides the student with the information, theory, methods, and techniques for operating fire service pumps. Subjects include: Types of pumps, engine and pump gauges, maintenance, unsafe pumping conditions, pressure relief devices, cooling systems, water supplies, drafting, field hydraulics, and pumping operations. Offered every two years.

Prerequisites: VFFI/FFI

**CZU Course: BASIC STRUCTURE MODULE**

Hours: 32

Designed for: All New Volunteer Fire Fighters

Description: This module teaches the basic skills for structure fire fighting. Subjects include: Fire Chemistry, Strategies & Tactics, Hose Practices, Ladders, SRECEO & REVAS, and basic fire ground safety.

Prerequisites: Basic VFF Safety and Orientation & SCBA

**CZU Course: BASIC VOLUNTEER FIREFIGHTER SAFETY & ORIENTATION**

Hours: 8

Designed for: All new Volunteer Fire Fighters

Description: This course contains all legal and safety information that is required by OSHA, CCR, and the Santa Cruz County Fire Department. Topics include: EEO, Elderly & Child Abuse, PPE, volunteer rights, dept. policies, and how to work around fire apparatus.

Prerequisites: Completed VFF application and approved physical

**CZU Course: BASIC WILDLAND MODULE – (S-130 & S-190)**

Hours: 24

Designed for: All New Volunteer Firefighters

Description: As per OSHA, all firefighters that respond to wildland fires must receive a minimum of 16 hours of training. The course topics include: S190, Basic CDF Operations, Hoselays, Handline construction, & aircraft safety

Prerequisites: Basic VFF Safety and Orientation

**CDF Course: COMMANDING THE INITIAL RESPONSE**

Hours: 16

Designed For: Company officers, training officers, and senior fire fighters who serve as incidents commanders at initial response incidents

Description: This NFA hand-off course is designed to give the participant the information and skills necessary to establish command, perform size-up, develop and implement an action plan, transfer command and organize an incident using an effective fire ground management system.

Prerequisites: Basic VFF Safety and Orientation

CDF Course: **EEO – EQUAL EMPLOYMENT OPPORTUNITY**

Hours: 8  
Designed for: All fire service personnel  
Description: To provide the student with an increased understanding of the definitions concerns, and legal issues related to Equal Employment Opportunity.  
Prerequisites: None

EMS Course: **EMS RECERT Day 1, Day 2, Day 3, and Day 4**

Hours: 32  
In accordance with CCR, Title 22, firefighters must have completed a minimum of twenty-four (24) hours of classroom and laboratory instruction, not including recertification testing, in basic life support knowledge and skills.  
Prerequisites: Current 1<sup>st</sup> Responder EMS or EMT-B

CFSTES Course: **FIRE COMMAND 1A - Command Principles for Company Officers**

Hours: 40  
Designed For: First-incident commander and company officers  
Description: This course provides instruction and simulation time pertaining to the initial decision and action processes at a working fire. The course includes areas of discussion on the fire officer, fire behavior, fire ground resources, operations, and management.  
Prerequisites: I-200 (Basic ICS), VFFI/FFI

FSTEP Course: **FIRE CONTROL 3**

Structural Fire Fighting  
Hours: 16  
Designed For: All fire service personnel  
Description: This course utilizes the burning of buildings to provide students with hands-on fire fighting experience in: Fire behavior within a building, ventilation, SCBA use and survival techniques, interior fire attack, exterior fire attack, and basic fire investigation as it relates to fire fighting.  
Prerequisites: Fire Control 2 (recommended)

FSTEP Course: **FIRE CONTROL 6**

Wildland Fire Fighting Essentials  
Hours: 16  
Designed For: All fire service personnel  
Description: This course provides information, methods, and techniques for the utilization of the California Fire and Rescue Mutual Aid Plan, Incident Command System, wildland fire fighting strategy and tactics, structure triage, terminology, survival skills and operating safely in a wildland fire fighting incident.  
Prerequisites: CDF 67 Hour or Volunteer Wildland Module

FSTEP Course: **FIRE CONTROL 7**

Wildland Fire Fighting  
Hours: 16  
Designed For: All fire service personnel  
Description: This course provides hands-on experience in fighting wildland or agricultural crop fires. Exercises include: Fire behavior, hand tools, helicopter support, dozer operations, mobile pumping, backfiring/burning out safety, progressive hose lays, water tender-shuttle, initial attack, and wildland fire investigation.  
Prerequisites: Fire Control 6 (recommended)

CFSTES Course: **FIRE INVESTIGATION 1A - Fire Origin and Cause Determination**

Hours: 40

Designed For: Fire fighters, fire investigators, and law enforcement officers assigned to fire investigation

Description: This course provides the participants with an introduction and basic overview of fire scene investigation. The focus of this course is to provide information on fire scene indicators and to determine the fire's origin.

Prerequisites: **VFFI/FFI CFSTES Course: FIRE FIGHTER I**

Hours: 348 plus manipulative performance testing

Designed For: Entry-level fire fighters

Description: This courses provides the fire fighter with the knowledge and skills to safely perform, under minimal supervision, essential and advanced fire ground tasks, basic rescue operations, basic fire prevention and fire investigation tasks, and to use, inspect, and maintain fire fighting and rescue equipment.

Prerequisites: None

CFSTES Course: **FIRE FIGHTER II**

Hours: 111 plus manipulative performance testing

Designed For: Probationary fire fighters

Description: This course expands upon the depth of knowledge provided to those fire service personnel certified to the Fire Fighter I level. It includes information, techniques and methods of essential and advanced fire ground tasks, rescue operations, inspection and maintenance of hand, power, and hydraulic tools, techniques for educating the public.

Prerequisites: Fire Fighter I

CFSTES Course: **FIRE MANAGEMENT 1 - Management/Supervision for Company Officers**

Hours: 40

Designed For: Company officers or fire fighters preparing for the position of company officer

Description: This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized. Includes discussions about decision making, time management, leadership styles, personnel evaluations and counseling guidelines.

Prerequisites: Volunteer Engineer

EMS Course: **FIRST RESPONDER MEDICAL**

Hours: 48

Designed for: All new Employees

Description: This basic EMS class teaches basic medical didactic and practical skills needed for the fire fighter to respond to medical incidents. Subjects include: Anatomy & Physiology, Airway Management, Shock, splinting & Bandaging, burns, child birth, C-Spine, and other useful information.

Prerequisites: Basic VFF Safety and Orientation

EMS Course: **FIRST RESPONDER TO EMT-B UPGRADE**

Hours: 80+

Designed for: First Responders who want to upgrade to Emergency Medical Technician status.

Description: This class consists of lectures, skill sections, and an emergency department observation.

Prerequisites: Must have been a First Responder Medical for a minimum of 12 months, current CPR Certification, and a valid California Drivers License.

**SFM – HAZ-MAT IC**

Hours: 40

Designed for: Chief Officer's, Staff Captain's and Company Officer's

Description: Provide an increased capability to assume the role of incident Commander/IC (or any ICS General and Command Staff positions) during a Haz-Mat incident, with emphasis on personnel safety and management.

Prerequisites: Chief Officer or Company Officer

**CDF Course: GPS – GLOBAL POSITIONING SYSTEMS**

Hours: 16 Hours

Designed for: Company and Chief Officers

Description: Basic orientation for the use of GPS device and their application in the Fire Service. This course will entail field exercises.

Prerequisites: All CDF and County Fire Personnel

**FSTEP Course: I-100 – INTRODUCTION TO ICS**

Hours: 3-5 (self study)

Designed For: All personnel whose job may require functioning under the Incident Command System Description: Students will be provided, through a self-paced text and progress checks, with an introduction to the basic organizational and operational concepts of the Incident Command System. The training emphasizes application to a wide variety of incidents.

Prerequisites: Basic VFF Safety and Orientation

**FSTEP Course: I-200 – BASIC ICS**

Hours: 16

Designed For: All emergency personnel (police, fire, EMS)

Description: Consists of Modules 2-6 and meets the training needs of wildland fire personnel by introducing principles associated with the ICS. Topics include: Organization, facilities, resource terminology and the common responsibilities associated with incident or event assignments.

Prerequisites: VFFI, FFI

**FSTEP Course: I-300 - INTERMEDIATE ICS**

Hours: 27

Designed For: All emergency personnel (police, fire, EMS)

Description: Consists of Modules 7-11 and expands on Basic ICS by providing more description and detail of the organization and operation of the ICS. Topics include: Management of resources, duties of all positions, examples of how the essential principles are used in incident or event planning.

Prerequisites: I-200

**NFA Course: INSTRUCTIONAL TECHNIQUES FOR COMPANY OFFICERS**

Hours: 16

Designed For: Company officers and fire fighters responsible for in-service instruction and training

Description: This NFA hand-off course covers basic instructional concepts and techniques, effective communication, teaching from lesson plans, and methods of instruction with an emphasis on skills training and adult learning.

Prerequisites: VFFI/FFI

FSTEP Course: **LOW ANGLE RESCUE**

Hours: 16

Designed For: All fire service personnel

Description: Designed to equip the student with the techniques and methods for using rope, webbing, hardware friction devices, and litters in low angle rescue situations. Areas covered include: Rope and related equipment, anchor systems, safety lines, stretcher lashing and rigging, mechanical advantage systems and single line and two line rescue systems.

Prerequisites: VFFI/FFI

FSTEP Course: **RESCUE SYSTEMS 1 – (BASIC HEAVY RESCUE)**

Hours: 40-45

Designed For: All emergency response personnel

Description: Key topics include: Team organization, rescue and environmental considerations, use of ropes, knots, rigging and pulley systems, descending, rappelling, and belaying tools and techniques, subsurface rescue techniques, use of cribbing, wedges, cutting/prying and hydraulic tools, use of fire service ladders in specialized rescue situations, and day and night simulated rescue exercises.

Prerequisites: VFFI/FFI, or equivalent training

FSTEP Course: **RIC – RAPID INTERVENTION CREW**

Hours: 16

Designed for: All fire service personnel

Description: This course teaches basic rescue and self-survival techniques for firefighters. Students will study past cases involving firefighter entrapments and will actively participate in practical skills.

Prerequisites: VFFI, FFI

FSTEP Course: **S-212 - POWERSAWS**

Hours: 28

Designed for: All fire service personnel

Description: This course is designed to train students in the use of power saws and techniques in order to ultimately prepare them to operate a power saw on an incident. This course will cover the duties and responsibilities of a power saw operator, parts and maintenance of the chain saw, application, and safety and evaluation.

Prerequisites: VFFI, FFI

NWCG Course: **S-230 Crew Boss**

Hours: 24

Designed for: Company Officer

Description: This course will cover what a company officer is responsible for as part of a strike team response.

Prerequisites: VFFI, FFI, Company Officer

CZU Course: **SCBA – SELF CONTAINED BREATHING APPARATUS**

Hours: 8

Designed for: All New Volunteer Fire Fighters

Description: As per OSHA standards, all employees must be proficient with the use of the SCBA. CDF 4305.4, 4305.5, 4305.6, 4305.7, 4305.10, & 4305.11 will be used by the local company officer as lesson plans.

Prerequisites: Basic VFF Safety and Orientation

CZU Course: **SUPERVISION MODULE (2 Sections, See bullet points)**

Hours: 32

Designed for: All potential Volunteer Captains and or Volunteer Engineers

Description: Both NFA Courses Increasing Team Effectiveness & Increasing Personal Effectiveness. (See below)

Prerequisites: VFFII

➤ NFA Course: **FIRE SERVICE SUPERVISION - Increasing Personal Effectiveness**

Hours: 16

Designed For: Company officers or other individuals responsible for supervising personnel or managing programs and projects

Description: This NFA hand-off course reviews basic skills and techniques that will assist the individual to improve personal effectiveness. Topics include: Managerial style and personal performance, time management, and personal professional development planning.

Prerequisites: VFFII

➤ NFA Course: **FIRE SERVICE SUPERVISION - Increasing Team Effectiveness**

Hours: 16

Designed For: Company officers or other individuals responsible for supervising personnel

Description: This NFA hand-off course is designed to meet the needs of fire service supervisors and program managers by focusing on improving the manager's skills in relating with others. Topics include: Motivating others, interpersonal communications, counseling, group dynamics, and conflict resolution.

Prerequisites: VFFII