



2020 SAFETY TRAINING CATALOG



California
Water
Environment
Association



DU-ALL SAFETY



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Du-All Safety is a full-service Environmental Health & Safety firm that specializes in assessing, achieving, and maintaining compliance with CAL/OSHA, State, and local requirements.

This catalog describes our most popular environmental health and safety training classes. Each class listed identifies the regulatory citation, applicability, and brief description of the topics covered during the training.



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1. Accident/Incident Investigation, 8 CCR 3203

Who Takes It Managers and supervisors who perform accident investigations and/or are responsible for recording or reporting employee injuries

Program Type 2-hour training

Topics

- Regulatory requirements and definitions
- Accident/Incident concepts
- Accident scene recording and OSHA reporting
- Background, interviewing, and sequence
- Corrective actions: long and short-term, engineering, administrative

2. Active Shooter Incidents, 8 CCR 3203

Who Takes It Employees who may encounter an active shooter incident

Program Type 2-hour training

Topics

- Established policy/protocol and standard operating procedures
- Realistic emergency and evacuation plans by location
- Evacuation routes and staging area/rally points
- Strategies for safely exiting or hiding in place – floor plans, locking rooms
- Individual actions/response
- Objects that might aid in defense
- Understand the law enforcement response and role

3. Aerosol Transmissible Diseases, 8 CCR 5199

Who Takes It Fire and Police Department personnel or others with occupational exposure to ATDs

Program Type Annual 1-hour training

Topics

- Symptoms that require medical evaluation, including tuberculosis (TB)
- Tasks and activities that may expose employees to ATDs
- Uses and limitations of preventive measures: engineering and work practice controls; decontamination and disinfection; PPE and respirators
- PPE: selection criteria, uses and limitations, types, removal, handling, cleaning, decontamination, and disposal
- Available vaccines; employer's TB surveillance procedures; discussion of false negative test potential
- Procedures for an exposure incident: reporting method, medical follow-up, post-exposure evaluation

4. Arc Flash NFPA 70E

Who Takes It	Employees and supervisors who perform routine maintenance on or near exposed (live) electrical equipment; this course is for work on low voltage (less than 600 volts) electrical equipment
Program Type	6-7-hour training, depending on class size; interactive application of the material and several in-class exercises
Topics	<ul style="list-style-type: none"> • Electrical shock and arc flash hazards • Controls associated with specific electrical work tasks; safe work boundaries for personnel protection • Selection, inspection, and use of electrical safety PPE and electrically insulated work tools (e.g., voltage rated gloves, flame resistant clothing, and arc flash rated face shield) • Selection, inspection, and use of electrical test instruments (primarily multimeter and non-contact voltage tester) • Safe work practices while performing electrical work • Emergency response for electrical shock injury, burns/explosions from arc flash

5. Asbestos Awareness, 8 CCR 5208

Who Takes It	Employees that may come into contact with asbestos (e.g., building maintenance/inspectors, engineering, facilities and maintenance staff)
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Work classifications • Types and uses of asbestos • Sampling protocols and credentials • Exposure and medical surveillance • Disposal compliance

6. Back Safety/Safe Lifting, 8 CCR 3230

Who Takes It	There is currently no specific regulatory requirement
Program Type	Varies
Topics	<ul style="list-style-type: none"> • Vertebrae: body, disc, spinal column, spinal cord and nerves • Proper posture (biomechanics) • Inherent job/task risks • Anatomy and physiology of lifting and fatigue and the disability continuum • Warm up and exercise program

7. Bloodborne Pathogens, 8 CCR 5193

Who Takes It Employees potentially exposed to blood and/or potentially infectious materials (e.g., Police, Fire, recreation, and janitorial personnel; staff required to have first aid training)

Program Type Written program and annual 1-hour training

Topics

- Human immunodeficiency virus (HIV), Hepatitis B and Hepatitis C
- Modes of transmission and universal precautions
- Use of engineering and administrative controls, and PPE
- Hepatitis B vaccinations
- Bio-hazard waste disposal procedures

8. Boating Safety, SB 941

Who Takes It Waste water and water treatment employees who work on the water using power driven boats. Course will assist employees who wish to take and be certified by the State of California for Boaters Card.

The California Vessel Operator Card (CVOC) is required beginning January 1, 2018 for certain groups, and for all by January 1, 2025. The new California Harbors and Navigation Code Section 678.11(b) contains the following schedule to have a CVOC based on operator age by the following dates:

- January 1, 2018 Persons 20 years of age or younger
 - January 1, 2019 Persons 25 years of age or younger
 - January 1, 2020 Persons 35 years of age or younger
 - January 1, 2021 Persons 40 years of age or younger
 - January 1, 2022 Persons 45 years of age or younger
 - January 1, 2023 Persons 50 years of age or younger
 - January 1, 2024 Persons 60 years of age or younger
 - January 1, 2025 All persons regardless of age
-

Program Type 6-hour classroom and 2-hour practical

Topics

- Parts of a boat
- Types of hulls
- Boat capacity
- Fueling your vessel – Safety
- Casting off
- Docking

9. Chain Saw Operations, 8 CCR 6283

Who Takes It	Employees whose job duties require chain saw operation; class includes a practical demonstration
Program Type	3-hour training
Topics	<ul style="list-style-type: none"> • Parts of a chain saw • Operations • Injuries • Injury prevention • Area hazards

10. Changing and Charging Storage Batteries, 8 CCR 5185

Who Takes It	Employees who handle, charge, dispose or work around storage batteries or clean up battery acid spills
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • OSHA compliance requirements • Battery handling hazards • Safety Data Sheet (SDS) review • Electrical safety precautions • Fire and explosion precautions • Neutralizing and acid spill clean-up • Charging • Storage and compatibility • Disposal • Personal protective equipment

11. Chemical Hygiene Plan, 8 CCR 5191

Who Takes It	Employees who are engaged in laboratory use of hazardous chemicals at water and wastewater treatment plants; safe operation of laboratories
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Roles and responsibilities • Room ventilation, fume hoods, emergency eyewash and showers • Safe work rules: labeling, storage, behavior, and PPE • Chemical procurement and pre-approval • Emergency spill response and first aid

12. Cold Stress, 8 CCR 3203

Who Takes It	Employees who must work in cold environments indoors or outdoors
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Maintaining temperature • Challenges from cold conditions • Wind chill effect • How the body loses and produces heat • Cold stress • How the cold affects work performance • Injuries and illnesses from cold exposure • Preventive measures, engineering controls and clothing

13. Confined Space, 8 CCR 5157-5158

Who Takes It	Varies by option; annual rescue drill required for all stand-by confined space rescue teams
Program Type	Four options: Confined Space Awareness – 2-hour training Confined Space Entry, Non-Entry Rescue – 6-hour training Confined Space Entry, Rescue Drill – 6.5-hour training Confined Space Entry, Rescue Training – 2 days
Topics	<ul style="list-style-type: none"> • Definitions – likely confined spaces for the training group • Hazards within confined spaces • Determination of permit-required and non-permit confined spaces • Rescue procedures, including planning and standby procedures • Confined space equipment use and permit system • Air monitoring and calibration • Written program elements

14. CPR/AED/First Aid, 8 CCR 3439, 3400, 5157, 5158, 5193

Who Takes It	Employees who perform construction-type activities (facilities and maintenance), are responsible for care of the public, serve on a rescue team/ confined space standby rescue; cardiopulmonary resuscitation (CPR) training required for employees who work with electricity over 50 volts, or who perform tree work
Program Type	Three options: First Aid alone – 4-hour training CPR/AED alone – 4-hour training First Aid, CPR and AED together – 6.5-hour training
Topics	<ul style="list-style-type: none"> • Injury and illness assessment • Bleeding control and shock management • Fractures /sprains/strains • Seizures/convulsions • Environmental emergencies • Poisoning • Treatment of burns • Head injuries • CPR skills • Automated external defibrillator (AED)

15. Crane & Hoisting Equipment Operations, 8 CCR 5006.1

Who Takes It	Employees who work with or around crane and hoisting operations
Program Type	Two options: Mobile Crane 6.5-hour training Overhead Crane 6.5-hour training
Topics	<ul style="list-style-type: none"> • Crane operator qualifications • Crane terminology and definitions • Equipment maintenance and inspection • Safe operation procedures • Electrical clearances • Signals • Rigging practices, slings

16. De-Escalation Training, 8 CCR 3203

Who Takes It	Employees who work with the public and potentially violent citizens
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • Types of threats (physical and verbal) – warning signs • Accurately evaluate the work environment • Risk assessment, choosing the least restrictive intervention • How to stay calm, cope with fear and anxiety, manage responses • Verbal and nonverbal techniques to defuse a situation • Safely intervene when risks escalate • Disengagement skills to avoid injury • Maintaining safety for yourself and others • Build and support a culture of safety • Effective steps toward workplace violence prevention • Agency-specific policy details

17. Defensive Driver Safety, 8 CCR 3203

Who Takes It	Employees who drive agency/company vehicles of less than 10,000 gross vehicle weight (GVW)
Program Type	2.5-hour training
Topics	<ul style="list-style-type: none"> • Distracted driving: cell phones, eating and drinking when driving • Residential hazards and what to do when an accident happens • Drive to avoid being involved in a preventable accident • Review of applicable and new traffic rules and regulations • Adjust to special hazards and conditions

18. Disaster Service Worker, California Government Code 3100-3109

Who Takes It	Employees of a governmental agency in the State of California, for the protection of lives and property of the State
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • Disaster Service Worker (DSW) defined • DSW Oath or Affirmation • General obligations of DSW • Disaster service activities • Activation/assignment as a DSW • Emergency information sources • Emergency preparedness sources

19. DOT Reasonable Suspicion, 382.215

Who Takes It Employees (1 hour) or supervisors (3 hours) affected by the regulation

Program Type 1-hour or 3-hour training

Topics

- Regulatory overview
- Safety-sensitive functions
- Conditions for testing
- The Unsafe Six substances being tested
- Personnel rights
- At the collection center
- Alcohol and drug test procedures
- Drug test results
- Illicit drug overview

20. DOT Shipping and Receiving of Hazardous Material, 49 CFR 172

Who Takes It Personnel who load, unload, transport, or handle hazardous materials in transportation

Program Type 8-hour training

Topics

- Regulatory overview (DOT and OSHA – the Hazard Communication Standard)
- Safety overview, including health hazards and paths of exposure
- Use of Safety Data Sheets
- HazMat Identification Systems, including the DOT 9-hazard classification system
- The Hazardous Materials Table
- Shipping papers
- Labeling and placards
- Packaging and package marking
- Loading and securing the load
- HazMat emergency response
- Security awareness, including threat assessment and protection in transit

21. Electrical Safety Low Voltage, 8 CCR 2320

Who Takes It	Awareness level (1 hour) or Qualified Worker level (8 hours)
Program Type	1-hour or 8-hour training
Topics	<ul style="list-style-type: none"> • Understanding electrical hazards: shock, arc flash, burn • Electrical safety regulations and requirements (Cal/OSHA and NFPA 70E) • Safe work practices to avoid electrical injury (use of PPE) • Working around power lines and maintaining clearances • Safe use of portable electrical equipment; equipment inspection • Grounding; how to inspect for proper grounding • Overviews of lockout/tagout, first aid, self-protection for first aid providers

22. Elevating Work Platforms (Aerial Lift Devices), 8 CCR 3638(d) & 3648 (I)(7)

Who Takes It	Personnel who use the equipment
Program Type	<p>3-hour training Vehicle: Mounted Elevating and Rotating Aerial Devices (e.g. truck mounted boom)</p> <p>2-hour training Manually Propelled Elevating Aerial Platforms (e.g. manlift)</p> <p>3-hour training Boom: Supported Elevating Work Platforms (e.g. straight reach or articulating boom lift)</p> <p>2-hour training Self-Propelled Elevating Work Platforms (e.g. scissor lift)</p>
Topics	<ul style="list-style-type: none"> • Pre-use inspection • Operating rules; safe operation and maintenance • Load and capacity ratings • Clear operating area • Traveling/maneuvering • Fall protection

23. Emergency Action Plan, 8 CCR 3220

Who Takes It	All employees
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Guide to emergency situations including bomb threat, earthquake, flood, power outage, fire, smoke, hostage • Emergency protocols • Employees requiring assistance; visitors • Fire extinguisher use • Site and facility maps, review of primary and secondary evacuation routes assembly areas, and drills

24. Ergonomics, 8 CCR 5110

Who Takes It	Employees who use computer workstations and/or who lift materials regularly
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Brief review of the human anatomy and soft tissue injury areas of concern • Proper workstation equipment arrangement • Breaks and exercises • Pushing, pulling, reaching, and loading • Carpel tunnel prevention

25. Equipment and Machinery, 8 CCR 1510 (b)

Who Takes It	Personnel who operate, maintain, or work around machines and equipment in construction
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • Types of machinery and equipment and their hazards • Work around moving equipment and entanglement hazards • Responsibilities • Point of operation guarding • Machine guarding types • Guarding placement and removal • Machine tool preparation and inspection • Standard operating procedures; equipment/machine-specific guarding • PPE • Eyewash requirements and proper use

26. Excavation, Trenching and Shore, 8 CCR 1541, GC 4216

Who Takes It	All employees who conduct subsurface work 5 feet or deeper below the ground surface.
Program Type	4-hour or 6.5-hour training (Competent Person)
Topics	<ul style="list-style-type: none"> • Notification and permit requirements • New utility location marking requirements and color-coding • Soil classification types and layers • Protective support systems and equipment use • Sloping, benching and timber requirements

27. Fall Protection, 8 CCR 1669-1678, 3210

Who Takes It	<p>Employees who work on unenclosed elevated work locations (e.g., roof openings, open and glazed sides of landings, balconies/porches, platforms, runways, ramps in excess of 30 inches); employees who work on unprotected sides of elevated work locations that are NOT buildings or building structures in excess of 4 feet; employees whose work exposes them to falling more than 7.5 feet</p> <p>End Users (2 hours) or Competent Persons (6.5 hours)</p>
Program Type	<p>Three options:</p> <p>Fall Protection Awareness – 2-hour training</p> <p>Fall Protection End User – 4-hour training</p> <p>Fall Protection Competent Person – 6.5-hour training</p>
Topics	<ul style="list-style-type: none"> • Typical fall hazards and fall height requirement triggers • Engineering and administrative controls • Guardrails, ladders, scaffolding, and roof pitch • Anchorage points and hardware inspections • Specific fall protection, arrest equipment, and applications • Hands-on fall equipment proficiency training (optional)

28. Fire Extinguisher (Portable), 8 CCR 6151

Who Takes It	Employees who may use a fire extinguisher
Program Type	1-hour training, required annually
Topics	<ul style="list-style-type: none"> • The Fire Triangle and classes of fire extinguishers • Classes of fires (A, B, C, D and K) – inherent hazards and limitations of each • Sounding an alarm, decision to fight the fire or leave the area • Fire extinguisher use, “P.A.S.S.” • Fire extinguisher Inspection and maintenance

29. Forklift and Powered Industrial Truck Certification, 8 CCR 3668

Who Takes It	Employees who operate forklifts
Program Type	6.5-hour training. Required every three years
Topics	<ul style="list-style-type: none"> • Powered industrial truck regulations • Lift types and converted lifts • Changing, charging and storing batteries • Operator rules, traveling, loading, lift attachments and components • Fulcrum point, load, and capacity ratings • Stability triangle and lifting principles • Pre-shift inspections • Proficiency training with each employee using the lift in a pylon course

30. Hand and Portable Powered Tools and Equipment, 8 CCR 3556, 1699, 1707

Who Takes It	Employees who use the equipment
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Common hand tools • Guarding, types of guarding, points of operation guarding • Exposure of blades • Anchoring fixed machinery • PPE • Switches • Hand tool hazards • Abrasive wheel machinery • Woodworking tools • Mechanical power transmission

31. Hazard Communication Globally Harmonized System, 8 CCR 5194

Who Takes It	Employees who handle or are exposed to hazardous materials
Program Type	Written program and 1.5-hour training
Topics	<ul style="list-style-type: none"> • Review of the chemical inventory • Location and sorting of Safety Data Sheets • Hazardous material labeling and NFPA placard number system • Hazardous material storage, compatibility and segregation • Toxicology and routes of entry into the body

32. Hazardous Materials Business Plan

Who Takes It	Chemical handlers
Program Type	2-hour initial training and annual refresher
Topics	<ul style="list-style-type: none"> • Internal alarm/notification • Evacuation/reentry procedures and assembly point locations • Chemical Inventory and location of Safety Data Sheet binder • Chemical safety, over-exposure procedures • Fire extinguisher use, “P.A.S.S.” method • Emergency reporting protocol internal and external • NFPA 704 placard number system • Hazardous waste and universal waste management overviews • Spill Prevention Control and Countermeasure (SPCC) overview (oil storage)

33. Hazardous Waste Management, Title 22 CCR 66264.16

Who Takes It	Employees whose job tasks include generating, storing, and disposing of hazardous waste, responding to releases, and reporting
Program Type	Written program and annual training, with two options: California Hazardous Waste Management – Initial 4-hour training - Refresher 2-hour training
Topics	<ul style="list-style-type: none"> • OSHA, EPA, CAL/EPA, AND CAL/OSHA compliance requirements • Hazardous waste determination • Weekly hazardous waste inspections • Hazardous waste manifesting • Disposal documentation requirements • Transportation requirements • Emergency spill procedures and notification overview

34. Hazardous Waste Operations and Emergency Response (HAZWOPER), 8 CCR 5192

Who Takes It	Employees who may call in, respond to, and assist in the cleanup of hazardous materials and waste spills; first responders at the operations level who may respond to releases or potential releases of hazardous substances as part of the initial response
Program Type	Four levels offered (all require annual training): Awareness – 4-hour training Operational – 8-hour training Technician – 24-hour training 40-Hour training
Topics	<ul style="list-style-type: none"> • Basic hazard and risk assessment techniques • Selection and use of PPE provided to the first responder operational level • Basic hazardous materials terms; use of the Emergency Response Guidebook • Performing basic control, containment, and/or confinement operations and rescuing injured or contaminated persons within the capabilities of available resources and PPE • Following basic equipment, victim, and rescue personnel decontamination procedures • Relevant standard operating procedures, termination procedures

35. Hearing Conservation, 8 CCR 5095

Who Takes It	Employees who are exposed to noise over 85dBA (e.g., Public Works, Water Treatment Plant, Police Officers that manage the shooting range)
Program Type	Written program and annual 1.5-hour training
Topics	<ul style="list-style-type: none"> • Action levels, risk factors, long and short-term hearing loss • Equipment-specific noise matrix that identifies if hearing protection is required, length of exposure, and appropriate protection • Noise reduction (NR) criteria of hearing protection • Hearing ear plugs and muffs • Annual employee hearing tests and result review

36. Heat Illness Prevention, 8 CCR 3395

Who Takes It	Employees who work outdoors; may be combined with #59, “Summer Safety (Bites, Stings & Poison Oak) 8 CCR 3203” as outdoor workers safety class
Program Type	Written program and 1-hour training (or 2 hours combined with #59)
Topics	<ul style="list-style-type: none"> • Acclimatization, heat illness signs and symptoms, temperature thresholds • Environmental and personal risk factors • Preventive recovery period and OSHA compliance requirements • Access to, amount and frequency of drinking water • Access to shade and application • Communication and reporting

37. Heavy Equipment (Earth Moving Equipment), 8 CCR 3664

Who Takes It	Earth-moving equipment operators; “Heavy Equipment” defined as earth moving equipment having 20 or greater engine horsepower (e.g., tractors, bobcat, backhoe, etc.)
Program Type	4-hour training, annually
Topics	<ul style="list-style-type: none"> • Employer responsibilities • Code of Safe Work practices document • Employee/operators responsibilities • Prohibited conduct • Regulatory oversight: OSHA • Operations and safety features for each piece of equipment the employee is assigned to operate; hands-on proficiency with operating functions, controls, safety features; task-specific demonstrations as required

38. Hexavalent Chromium, 8 CCR 1532.2

Who Takes It Employees who perform welding and cutting operations involving materials that can emit chromium compounds into the atmosphere

Program Type 1-hour training

Topics

- Products that contain hexavalent chromium
- Jobs with potential chrome (VI) exposure
- Major health effects
- Cal/OSHA exposure limit
- Regulated areas
- Controlling exposure to chrome (VI); work practices to reduce exposure
- Welding safe work practices
- Required respirator use
- PPE

39. Homeless Encampment Clean-Up Safety Course Outline, Health and Safety Code Section 118275, and CalOSHA Title 8, 5193

Who Takes It Employees whose jobs require homeless encampment clean-up and are at risk of occupational exposure from bio-hazards and sharps as defined by their administrators in the following fields:

- Public works employees performing clean-ups
- Health department employees who may be required to assist in clean-ups

Program Type 2-hour training; classroom setting

Topics

- Safe management of urine, feces and soiled personal hygiene items
- Syringes, other threatening materials
- Following established protocols, including personal protective equipment (PPE) use
- Removal of solid infectious waste; contain for transfer to the Transfer Facility
- Overview of OSHA's Bloodborne Pathogen Standard and Universal Precautions
- Precautions for Hepatitis A, B and C, HIV and active tuberculosis

40. Hot Work, 8 CCR 4848

Who Takes It	Employees that operate equipment that generates an ignition source (e.g., cutters, grinders, welding and brazing, chop saws, sanders)
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Definition of fire safe areas • Designated welding station requirements • Distances from combustibles and compressed gas cylinders • Protecting floor and wall openings and alternative methods • Shields and other protective measures • Pre-hot work checklist and permit requirements • Requirements for a fire watch

41. IATA Awareness, 49 CFR Subpart H

Who Takes It	Employees who work in receiving, distribution (drivers, material handlers, etc.), packing, shipping, or procurement; office employees working around hazardous materials
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • Identification • Classification • Packing • Marking • Labeling • Documentation

42. Injury & Illness Prevention, 8 CCR 3203

Who Takes It	All employees of a public agency; various other personnel
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Persons with responsibility and authority • Hazard evaluations and periodic site safety inspections • Agency safety rules and codes of safe work practices • Accident investigations, recording (log 300) and recordkeeping • Communication system(s) and reporting of hazardous conditions • Safety rules, enforcement and recognition systems

43. Laser Safety, 8 CCR 1801

Who Takes It Employees who install, adjust, and operate laser equipment

Program Type 1-hour training

Topics

- Laser light; types of lasers
- Biology of the eye
- Hazards to the skin
- Laser safety regulations
- Non-beam hazards
- Control measures
- Medical surveillance

44. Lead, 8 CCR 5198, 1532.1

Who Takes It Employees who may come in contact with materials or substances containing lead

Program Type Two options (both require annual training):
 Awareness – 1-hour training
 EPA Lead Safety for Renovation, Repair and Painting (RRP), non-certified worker – 8-hour training

Topics

- Cal/OSHA and Fed/OSHA, EPA, and California Department of Toxic Substances Control (CalEPA) compliance requirements
- Lead toxicology and routes of entry into the body
- Use of Hazard Communications Program and Lead Safety Data Sheets
- Lead labeling, storage, handling, inspection and detection
- PPE
- Exposure reporting and response
- Lead cleaning procedures

45. Lockout / Tag out (Control of Hazardous Energy), 8 CCR 3314 (j) and 2320.5

Who Takes It Employees who are authorized to control hazardous energy sources

Program Type Written program (to be reviewed annually) and 1.5-hour training

Topics

- Typical equipment and energy sources requiring lockout/tagout
- Equipment-specific assessment documentation and appropriate lock and tag procedures to be followed
- Device inventory and how and when to apply each type of device
- Device removal protocol
- Contractors

46. Machine Guarding, 8 CCR 4002, 4184

Who Takes It Employees who operate, maintain, or work around mechanical equipment and tools

Program Type 1.5-hour training

Topics

- Key parts of machines: rotating parts; in-running nip points; reciprocating parts
- Transverse motion
- Cutting, punching, shearing, bending/forming actions
- Guarding principles and methods
- Fixed, interlocked, adjustable, self-adjusting, gate guards
- Pullback and restraint devices, safety tripwire cable device
- Two-hand control

47. Machine Tool Safety, 8 CCR 3203

Who Takes It Employees that use machine tools

Program Type 2-hour training

Topics

- Types of machine tools and their hazards
- Work around moving equipment and entanglement hazards
- Point of operation guarding and types
- Standard operating procedures and appropriate guarding specific to each machine (e.g., lathe, saws, grinders, drill-press, hydraulic-press)
- PPE overview; selection and use criteria for gloves, safety glasses, goggles, and face-shields

48. Mindfulness Course

Who Takes It Employees seeking stress reduction and increased job satisfaction

Program Type 1-hour training

Topics

- Mindfulness defined
- Forms of mindfulness
- Mindfulness exercises
- Incorporating mindfulness into daily living
- Observations, reminders, and summary

49. OSHA 10-Hour and 30-Hour Construction, (California and Federal)

Who Takes It	OSHA 10-Hour Construction Industry: entry level construction workers
Program Type	10-hour training
Topics	<ul style="list-style-type: none"> • Employee rights and employer responsibilities • Introduction to OSHA • OSHA Focus Four Hazards (falls, electrocution, struck-by and caught-in or between) • How to identify, abate, avoid and prevent job related hazards on a construction site • PPE and lifesaving equipment • Health hazards in construction • How to file a complaint • Optional topics specified by employers
Who Takes It	OSHA 30-Hour Construction Industry: construction employees with safety responsibilities such as foremen, superintendents, project managers, safety coordinators, and safety specialists
Program Type	30-hour training
Topics	<p>The 10-hour topics (above), <i>PLUS</i>:</p> <ul style="list-style-type: none"> • Hazard identification, avoidance, control and prevention • Managing safety and health • Stairways and ladders • Optional topics specified by employers

50. Personal Protective Equipment, 8 CCR 3380-3385

Who Takes It	Employees who use PPE
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • ANSI and OSHA standards and their application • Typical jobs (for the entity being trained) where PPE is required • Types of appropriate PPE • Selection of hard-hats, foot, eye, face, body and hand protection

51. Pesticide Handler Safety, 3 CCR Division 6, 8 CCR 3314 (j)

Who Takes It	Pesticide handlers; when conducted in conjunction with a review of pesticides used onsite, class meets annual training requirement
Program Type	8-hour class annual requirement
Topics	<ul style="list-style-type: none"> • Hazards of pesticides • Routes of entry into the body • Signs and symptoms of overexposure; emergency first aid for overexposure • Routine and emergency decontamination • Use of PPE • Safety requirements, procedures and engineering controls • Environmental concerns • Laws and Safety Data Sheets • Specific pesticides used and review of their labels

52. Pneumatic Driven Nailers and Staplers, 8 CCR 1704

Who Takes It	Employees who operate or work around pneumatic nail guns or staplers
Program Type	1-hour class
Topics	<ul style="list-style-type: none"> • Injury statistics • OSHA regulations • Common injuries and accidents • Review of accidents: causes and prevention

53. Portable Ladder Safety, 8 CCR 3276

Who Takes It	Employees who use of ladders for elevated work
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Slips, trips, falls • Improper use of ladders • Selection and types of ladders • Safe use and general requirements: inspection, ladder angle, ladder rail extension, securing, climbing, cross bracing, damage/defect

54. Powder Actuated Tools, 8 CCR 1685

Who Takes It Employees who use the equipment

Program Type 2-hour training

Topics

- Tool uses
- Injuries and fatalities
- Color coding of charges
- Safety recommendations
- OSHA regulations

55. Power Lawn Mowers, 8 CCR 3563

Who Takes It Employees who operate self-propelled tractor style or rider power lawn mowers.

Program Type 1-hour training

Topics

- Different styles of power rider lawn mowers and tractors: rider style, walk-behind reel and rotary, riding reel and rotary, lawn riding tractors with mower attachments
- Mower use prohibition
- Pre-use procedures
- Labeling of rollover protection structure (ROPS)
- Accidents, injuries, and appropriate PPE

56. Radiation Safety, 8 CCR 5085, 8617, 1801

Who Takes It Employees who work with or around radioactive materials or devices

Program Type 2-hour training

Topics

- Rules for safe use of radioactive materials
- Non-ionizing and ionizing radiation
- Radiation contamination
- Background and manufactured radiation
- Biological effects of radiation
- Radiation protection and use areas
- Testing for radiation; detection equipment
- Radiation license
- Waste holding area
- Receiving and disposing of radioactive materials and waste
- Review of specific isotopes and generating machines

57. Respiratory Protection, 8 CCR 5144

Who Takes It Employees who wear respiratory protection.

Program Type Written program and 1.5-hour training

Topics

- Identification of hazardous work atmospheres
- Engineering and administrative controls
- Appropriate respiratory protection devices by type and application
- Medical surveillance documentation
- Fit-testing, quantitative and/or qualitative

58. Safety for the Veteran Employee, 8 CCR 3203

Who Takes It Employees of all ages, to understand how the body ages and changes, and how they can live and work longer and better

Program Type 1-hour training

Topics

- Changes in our major systems: musculoskeletal; brain and sensory (vision, hearing, touch); cardiovascular
- Exercise
- Preventing injuries

59. Safety Responsibilities for Supervisors, 8 CCR 3203

Who Takes It Supervisors, managers, and safety committee members

Program Type 2-hour training

Topics

- Agencies having jurisdiction
- Multi-employer worksite regulations
- Independent Employee Action Defense
- Cal/OSHA inspections and citations
- Penalties affecting management
- Required occupational safety programs and elements
- Required environmental protection programs and elements

60. Scaffold Safety, 8 CCR 1637, 1644, 1646

Who Takes It	End-users (2 hours) or employer designated competent person (6.5 hours); The training can cover two types of scaffolds
Program Type	2-hour or 6.5-hour training Option 1: Tubular Welded Scaffold System (8CCR 1644) Option 2: Tower & Rolling Scaffolds (8CCR 1646)
Topics	<ul style="list-style-type: none"> • Staging and erection • Uses and peripheral equipment • Footings, foundations, casters and wheel • Platforms and load requirements • Tie-off, anchorage and hand rails • “Qualified Person” requirements • Inspection of scaffold equipment

61. Sexual Harassment Training, AB 1825

Who Takes It	Employees and Managers
Program Type	2-hour training for Managers and 1-hour for employees
Topics	<ul style="list-style-type: none"> • Definitions • Review examples of unacceptable behavior • Laws involved • Complaint Procedure • Prevention • Claims

62. Silica Dust (Respirable), 8 CCR 1532.3 and 5204

Who Takes It	Employees who work with or around concrete
Program Type	2-hour training (end user) or 4-hour training (competent person)
Scope and Application	Applies to all occupational exposures to respirable crystalline silica, except where employee exposure will remain below 25 micrograms per cubic meter of air (25 $\mu\text{g}/\text{m}^3$) as an 8-hour time-weighted average (TWA) under any foreseeable conditions.
Topics	<ul style="list-style-type: none"> • Regulatory requirements for working with concrete, including the specifics of silica hazards • Potential for injury; which activities pose the greatest risks • Protective measures: respiratory protection, other PPE, mechanical ventilation, hygiene • Use of Safety Data Sheets to obtain specific working guidelines • Basic first aid measures for concrete burns

63. Spill Prevention Control and Countermeasure, 40 CFR 112

Who Takes It	Oil handling personnel
Program Type	1-hour training, required annually
Topics	<ul style="list-style-type: none"> • Regulatory agency overview • Description of oil sources at facility and SPCC plan elements • Facility layout • Spill response and countermeasures • Spill prevention and reporting

64. Storm Water Pollution Prevention Plan

Who Takes It	Employees who may work with materials that could come in contact with storm water
Program Type	1-hour training, required annually
Topics	<ul style="list-style-type: none"> • Safety considerations associated with inspections and sampling • Location and content of site specific SWPPP • Best Management Practices (BMP) implemented • Visual observations for evidence of storm water impacts (illicit discharges) and BMP function • Monitoring requirements • Spill response and reporting • Erosion control during construction/maintenance activities • Site specific processes for continuous improvement of BMPs

65. Summer Safety (Bites, Stings & Poison Oak), 8 CCR 3203

Who Takes It	Employees who work in areas where they may be exposed to snakes, spiders, ticks, mosquitoes, bees, poison oak
Program Type	1-hour training (optional)
Topics	<ul style="list-style-type: none"> • Defensive, offensive and anti-coagulant poisons • Bee stings • Snake and spider bites • Mosquito bites • Ticks • Poison oak

66. Traffic Control and Flagger Safety, 8 CCR 1598-1599

Who Takes It	Employees who work on a roadway and/or around vehicular traffic
Program Type	6-hour training
Topics	<ul style="list-style-type: none"> • CalTrans, WATCH, and MUTCD manuals • Authority and responsibility • Planning temporary traffic lanes • Control equipment • High-visibility garments, types and applications • Guidance devices • Temporary pavement striping/markings • Pedestrian and bicycle traffic

67. Treated Wood Waste Regulations, (HSC) §§ 25150.7 and 25150.8

Who Takes It	Managers, Supervisors and Handlers of treated wood waste.
Program Type	Written program and annual 4-hour training
Topics	<ul style="list-style-type: none"> • How to identify treated wood waste (TWW) • Review applicable TWW laws and regulations • Chemical hazards of TWW including review of SDSs • PPE requirements while handling TWW • Safe handling, storage and transportation requirements for TWW • Review of the banned practices with respect to TWW • TWW disposal requirements • Requirements for training employees • Recordkeeping

68. Tree Work, 8 CCR 3427

Who Takes It	Employees who maintain or remove trees or tree parts
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • Equipment, power tools and hand tools • Fueling • Pruning/trimming, felling • Rescue procedures and annual drill • Chain saw safety overview • Clear area and posting requirements • Spotters responsibilities and common caution systems

69. Vehicle Loading and Load Securement, 13 CCR and 49 CFR

Who Takes It	Employees whose job duties involve transportation of equipment or materials
Program Type	2-hour training
Topics	<ul style="list-style-type: none"> • General cargo and commodity-specific requirements • Direct and indirect tiedown • Working load limit • Calculating allowable weight • Material weight examples • Securing light and heavy equipment • Cargo Securement for Truck Drivers book • Agency policy – DOT, CHP, local law enforcement • California Vehicle Code and loads

70. Warehouse Safety, 8 CCR 3202(a)(2)

Who Takes It	Employees working in a warehouse environment
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Warehouse hazards and back safety tips • Confined spaces in warehouses and material handling containers • Electrical hazards and safety • Falling objects and improper storage of materials • Forklift (material handling equipment) operation • Stacking loads, handling containers and drums • Cutting tools (box cutters) • Powered conveyor safety and loading dock safety • Trailer stability • Slips, trips and falls • PPE and Emergency Action Plan

71. Workplace Violence, 8 CCR 3203

Who Takes It	Employees who work with the public and potentially violent citizens
Program Type	1-hour training
Topics	<ul style="list-style-type: none"> • Types of threats (physical and verbal) • Identify potentially dangerous situations, warning signs that can lead to hostile events • How to stay calm, cope with fear and anxiety, manage responses • Responses/tactics to the different types of threats • Verbal and nonverbal techniques to defuse a situation • Setting limits on an incident • Assessing the risks and selecting the least restrictive and safest resolution • How to handle challenging questions • Disengagement skills to avoid injury • Maintaining safety for yourself, co-workers and others • Observing persons, when and whom to contact • Simple security measures, “the rules” • Review of agency-specific policy details

State Fire Training Certified Courses

1. Command 1A: Structure Fire Command Operations for the Company Officer (2012)

Who Takes It	First-in incident commander and company officers
Prerequisites	Fire Fighter I training I-200: Basic ICS Prevention 1: Fire and Life Safety Inspections for the Company Officer OR: Prevention 1A: Introduction into the California Fire Code and Prevention 1B: Inspection of Fire Protection Systems/Special Hazards
Program Type	40-hour course
Certification	Company Officer
Class Size	25
Topics	<ul style="list-style-type: none"> • Command safety concepts • Risk management process • Pre-incident planning • Command considerations at structure fire incidents • Company Officer incident initial actions – priorities, strategy, and tactics • Company Officer post-incident actions – role and responsibilities • Structure fire incident simulations in a controlled environment

2. Fire Command 1B: Incident Management for Company Officers (1998)

Who Takes It	First-in incident commander and company officers
Prerequisites	I-200, Fire Command 1A OR Command 1A
Program Type	40-hour course
Certification	Fire Officer
Class Size	40
Topics	<ul style="list-style-type: none"> • Tactics, strategies, and scene management • Multi-casualty incidents • Hazardous materials incidents • Wildland fires • Handling initial operations at incidents

3. Command 1C: WUI Command Operations for the Company Officer (2012)

Who Takes It	First-in incident commander and company officers
Prerequisites	Fire Fighter I training Fire Command 1A: Command Principles for Company Officers OR Command 1A: Structure Fire Command Operations for the Company Officer I-200: Basic ICS S-290: Intermediate Wildland Fire Behavior (NWCG online is acceptable)
Program Type	40-hour course
Certification	Company Officer
Class Size	32
Standard	Complete all activities and formative tests Complete all summative tests with a minimum score of 80 percent
Topics	Brings Company Officer out of the city and into the wildland urban interface

4. Company Officer 2D: All-Risk Command Operations (2014)

Who Takes It	Aspiring company officers
Prerequisites	Meet educational requirements for Fire Fighter II ICS-200.B: Incident Command System for Single Resources and Initial Action Incidents Hazardous Material Incident Commander (as offered by the California Specialized Training Institute)
Program Type	40-hour course
Certification	Fire Officer (Level I and II)
Class Size	32 with a Student/Instructor Ratio of 32:1 (lecture) and 10:1 (lab)
Standard	Complete all activities and formative tests Complete all summative tests with a minimum score of 80 percent
Topics	<ul style="list-style-type: none"> • Various emergency incident types • Pre-incident planning and incident size-up • Develop / implement initial action plan – single and multiunit operations • Mitigation following agency safety procedures • Develop / conduct post-incident analysis

5. Company Officer 2E: Wildland Incident Operations (2014)

Who Takes It	Aspiring company officers
Prerequisites	Meet the educational requirements for Fire Fighter II All Risk Command Operations for Company Officers S-290 Intermediate Fire Behavior (classroom delivery only)
Program Type	40-hour course
Certification	Fire Officer (Level I and II)
Class Size	32 with a Student/Instructor Ratio of 32:1 (lecture) and 10:1 (lab)
Instructor	Current State Fire Training registered instructor for Command 1C
Standard	Complete all activities and formative tests Complete all summative tests with a minimum score of 80 percent
Topics	<ul style="list-style-type: none"> • Operations to suppress wildland fire • Establishing incident command post • Analyzing incident needs; evaluating and reporting incident conditions • Developing and implementing plan to deploy incident resources • Plans, records and reports

6. Fire Command 2A: Command Tactics at Major Fires (1989)

Who Takes It	Chief officers, company officers, and training officers
Prerequisites	I-300, Fire Command 1A OR Command 1A
Program Type	40-hour course
Certification	Chief Officer
Class Size	40
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Commanding multiple alarms or large suppression forces • Management techniques • Incident Command System

7. Fire Command 2B: Management of Major Hazardous Materials Incidents (2009)

Who Takes It	Chief officers, company officers, and training officers
Prerequisites	I-300, Fire Command 1B, Fire Command 2A
Program Type	40-hour course
Certification	Chief Officer
Class Size	40
Topics	<ul style="list-style-type: none"> • Skills and competency for Incident Commanders • Standard of competency established for On-Scene Commander by OSHA's Final Rule 29 CFR 1910.120 and NFPA 472. • Mitigate incident and initiate remedial action • Restoration of normal services – resource management approach • Simulated incident scenarios and mock civil court

8. Fire Command 2D: Planning for Large Scale Disasters (1996)

Who Takes It	Chief officers, company officers, and planners
Prerequisites	I-300, Fire Command 2A
Program Type	40-hour course
Certification	Chief Officer
Class Size	40
Topics	<ul style="list-style-type: none"> • Principles of disaster planning and management • Fire service emergency plans • Emergency operations centers • Roles of local, state and federal OES and emergency management agencies • Multi-hazard planning techniques • ICS and SEMS concepts • Disaster case studies

9. Fire Command 2E: Wildland Fire Fighting Tactics (1996)

Who Takes It Fire officers who have command responsibilities at wildland fires

Prerequisites I-300, Fire Command 1C, Fire Command 2A

Program Type 40-hour course

Certification Chief Officer

Class Size 40

Topics

- California's wildland fire problem
- Wildland fire safety
- Weather effects, wildland fuels, wildland fire behavior
- Initial attack methods
- Strategy and tactics
- Support equipment
- Air attack operations
- Using topographic maps
- Class participation and simulation

10. Basic Emergency Vehicle Operations (1996)

Who Takes It All fire service personnel

Prerequisites None

Program Type 16-hour course

Class Size 25

Restrictions Requires a site with adequate materials and equipment to deliver the training according to the course outline

Topics

- Applicable laws
- Defensive driving techniques
- Basic inspection and maintenance
- Opportunity for each student to develop skills during simulated driving

11. Basic Pump Operations (1993)

Who Takes It	All fire service personnel
Prerequisites	None
Program Type	16-hour course
Class Size	25
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline
Topics	<ul style="list-style-type: none"> • Types of pumps • Engine and pump gauges, pressure relief devices, cooling systems, water supplies, drafting, and field hydraulics • Maintenance • Unsafe pumping conditions • Opportunity for each student to develop skills during simulated pumping

12. Fire Apparatus Driver/Operator 1A: Emergency Vehicle Operations (2008)

Who Takes It	Fire service emergency response personnel
Prerequisites	Fire apparatus driving experience on a public way Option 1: Signed verification from the Fire Chief (form is on the SFT website) Option 2: California Class B driver's license, fire fighter restricted Option 3: California Class A, B, or C driver's license, fire fighter endorsed Fire Fighter I training recommended
Program Type	40-hour course
Certification	Fire Apparatus Driver/Operator I
Class Size	25
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Reflects current California Vehicle Code (CVC) requirements and the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications • Driver responsibilities, recognized standards, and related laws • Basic inspections, documentation, maintenance, and troubleshooting • Fire apparatus driving and positioning techniques • Opportunity for each student to develop skills during simulated driving

13. Fire Apparatus Driver/Operator 1B: Pump Operations (2008)

Who Takes It	Fire service emergency response personnel
Prerequisites	California driver's license, Class A, B or C, with a fire fighter endorsement Fire Fighter I training recommended
Program Type	40-hour course Requires a textbook and student supplement
Certification	Fire Apparatus Driver/Operator I
Class Size	25
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Reflects the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications • Pump construction and theory of pump operations • Basic hydraulics • Techniques for basic inspections, documentation, maintenance, and troubleshooting fire pumps • Opportunity to increase skills during simulated pumping

14. Auto Extrication (1996)

Who Takes It	All fire service personnel
Prerequisites	None
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1 (for skills proficiency)
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Types of hand and power tools • Removing windows • Opening doors, removing roofs • Pulling steering wheels, moving foot pedals, raising dashboards • Pulling seats • Stabilizing vehicles • Simulated rescues of trapped victims

15. Confined Space Rescue Awareness (1995)

Who Takes It	All fire service personnel
Prerequisites	None
Program Type	7-hour course This course <i>does not</i> qualify participants to make permit required entries
Class Size	40
Topics	<ul style="list-style-type: none"> • Identifying a permit and non-permit required confined space • Hazards associated with confined spaces • Target industries and hazards • State regulations • Communications • Equipment requirements

16. Fire Control 1: Basic Fire Chemistry (1996)

Who Takes It	All entry level fire service personnel
Prerequisites	None
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Basic overview of fire chemistry and fire behavior for the beginning or volunteer fire fighter • Classes of fire • Fundamentals of heat transfer • Fire characteristics of materials • Products of combustion • Hazardous and explosive materials • Extinguishing agents • Size-up • Exposure protection

17. Fire Control 2: Basic Operations – Structural (1996)

Who Takes It	All entry level fire service personnel
Prerequisites	None
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Methods and techniques for operating basic firefighting tools • Hose, nozzles, and fittings • Ground ladders • Self-contained breathing apparatus • Pump operations in theory and in the field • Use of fire extinguishers

18. Fire Control 3A: Structural Fire Fighting in Acquired Structures (2009)

Who Takes It	All fire service personnel
Prerequisites	Fire Control 2 (recommended)
Program Type	16-hour course
Class Size	Dependent on the number of structures and size of the burn Student/Instructor Ratio of 10:1 (for skills proficiency)
Restrictions	Requires both a Primary Coordinator and a Senior Coordinator. Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Fundamental skills for combating structure fires • Fire behavior • Ventilation procedures and techniques • Interior fire attack and exterior fire attack • Live structural firefighting – typically with donated structures

19. Fire Control 3B: Structural Fire Fighting in Live-fire Simulators (2009)

Who Takes It	All fire service personnel
Prerequisites	Fire Control 2 (recommended)
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1 (for skills proficiency)
Restrictions	Requires both a Primary Coordinator and a Senior Coordinator. Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Fundamental skills for combating structure fires • Fire behavior • Ventilation procedures and techniques • Interior fire attack and exterior fire attack • Live fire simulator

20. Fire Control 5: Aircraft Rescue and Fire Fighting (1988)

Who Takes It	All fire service personnel
Prerequisites	None
Program Type	16-hour course without a live burn or 24-hour course with a live burn
Class Size	40 with a Student/Instructor Ratio of 10:1 (for skills proficiency)
Restrictions	Requires a Senior Instructor if the class includes a live burn. Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Methods and techniques for crash fire rescue services at airports • Conventional fire and specialized CFR apparatus • CFR extinguishing agents • Types of aircraft • Standby procedures • Aqueous film forming foam • Dual agent systems • Operations at crash scenes

21. Fire Control 6: Wildland Fire Fighting Essentials (1992)

Who Takes It	All fire service personnel
Prerequisites	None
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Utilizing the California Fire and Rescue Mutual Aid Plan • Incident Command System • Wildland fire fighting strategy and tactics • Structure triage • Survival skills and operating safely in a wildland fire-fighting incident • Terminology

22. Fire Control 7: Wildland Fire Fighting

Who Takes It	All fire service personnel
Prerequisites	Fire Control 6 (recommended)
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1 (for skills proficiency)
Restrictions	<p>Requires both a Primary Instructor and a Senior Instructor.</p> <p>Requires a site with adequate materials and equipment to deliver the training according to the course outline.</p> <p>A course outline must be submitted and approved by State Fire Training.</p>
Topics	<ul style="list-style-type: none"> • Fighting wildland or agricultural crop fires • Fire behavior • Exercises include hand tools, helicopter support, dozer operations, mobile pumping, backfiring/burning out safety, progressive hose lays, water tender shuttle, initial attack, and wildland fire investigation

23. Fire Fighter I (2013)

Who Takes It	Entry level fire fighter
Prerequisites	Minimum: Public Safety-First Aid and CPR (CA Health and Safety Code 1797.182) Co-requisites: Confined Space Awareness (CA Code of Regulations, Title 8, Section 5157) Introduction to the Incident Command System (ICS-100) FEMA National Incident Management System, An Introduction (IS-700.A)
Program Type	Accreditation course
Class Size	50 with a Student/Instructor Ratio of 1:50 (Lecture), 1:10 (Skills)
FEMA Standard	Complete all activities and formative tests Complete all summative tests with a minimum score of 80 percent Complete all mandatory skills testing
Topics	Curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications, the 2012 edition of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the 2008 edition of NFPA 472 Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. <ul style="list-style-type: none"> • General professional knowledge • Fire department communications • Fireground operations • Rescue operations • Preparedness and maintenance • Wildland suppression activities • Hazardous materials/WMD

24. Fire Fighter II (2001)

Who Takes It	Probationary fire fighters
Prerequisites	Fire Fighter I
Program Type	111-hour course plus manipulative performance testing
Certification	Fire Fighter II
Class Size	Department determination
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Essential and advanced fireground tasks • Rescue operations • Inspection and maintenance of hand, power, and hydraulic tools • Techniques for educating the public

25. Fire Fighter II (2013)

Who Takes It	Fire Fighter I
Prerequisites	Certified Fire Fighter I
Program Type	120
Class Size	50 with a Student/Instructor Ratio of 1:50 (Lecture), 1:10 (Skills)
Standard	<p>Complete all activities and formative tests.</p> <p>Complete all summative tests with a minimum score of 80 percent.</p> <p>Complete all mandatory skills testing.</p>
Topics	<p>Curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications.</p> <ul style="list-style-type: none"> • General professional knowledge • Fire department communications • Fireground operations • Rescue operations • Preparedness, preparedness and maintenance

26. Fire Fighter Survival (2010)

Who Takes It	All fire service personnel
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Avoiding fatal errors on the fireground • Avoid becoming lost, trapped, or injured – developing a survival attitude • Terminology • Increasing situational awareness • Problem-solving techniques for self-reliance in emergencies • Case study reviews of line-of-duty deaths (LODDs)

27. Fireline Safety Awareness for Hired Vendors (2011)

Who Takes It	Vendors working with CAL FIRE or USFS on any active wildland fire, including water tender operators, heavy equipment with water operators (Skidding), dozer operators, crew bus drivers, vehicle drivers, mechanics, fallers, swampers, and chain saw operators.
Program Type	8-hour course
Class Size	40
Restrictions	5:1 student/skills evaluator ratio for fire shelter deployment skill training. Upon successful completion of training, participants will receive a course completion card <i>valid for one year from date of training</i> .
Topics	<ul style="list-style-type: none"> • Awareness of fire line safety • Current safety training • Relevant policy and procedures • Recognize and mitigate risk, and maintain safe and effective practices while working under agency supervision on an incident

28. Low Angle Rope Rescue Operational (2007)

Who Takes It	All fire service personnel
Program Type	24-hour course
Class Size	48 with a Student/Instructor Ratio of 12:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Rope and related equipment • Anchor systems, safety lines • Stretcher lashing and rigging • Mechanical advantage systems • Single-line and two-line rescue systems

29. Rapid Intervention Crew (RIC) Operations (2011)

Who Takes It	All fire service personnel
Program Type	24-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Rescue a downed fire fighter • Pre-deployment, deployment, and rescue

30. River and Flood Water Rescue (1996)

Who Takes It	All fire service personnel
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Swift water rescue • Submerged vehicles • Drowning, use of engine/truck company equipment for water rescue • Use of rafts and boats • Underwater search and recovery

31. Trench Rescue

Who Takes It	All fire service personnel
Program Type	16-hour course
Class Size	40 with a Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Rescue from an excavation or trenching cave-in • Evaluation of cave-in scenes • Basic life support procedures and temporary protection for victims • Specialized tools • Shoring techniques • Below grade rescue safety procedures

State Fire Training – Hazardous Materials Courses

32. Hazardous Materials First Responder Operations

Who Takes It	Fire department personnel who may call in, respond to, and assist in the cleanup of hazardous materials and waste spills; first responders at the operations level who may respond to releases or potential releases of hazardous substances as part of the initial response
Program Type	Four levels offered (all require annual training): Awareness – 4-hour training Operational – 8-hour training Technician – 24-hour training
Topics	<ul style="list-style-type: none"> • Basic hazard and risk assessment techniques • Selection and use of PPE provided to the first responder operational level • Basic hazardous materials terms; use of the Emergency Response Guidebook • Performing basic control, containment, and/or confinement operations and rescuing injured or contaminated persons within the capabilities of available resources and PPE • Following basic equipment, victim, and rescue personnel decontamination procedures • Relevant standard operating procedures, termination procedures

33. Hazardous Materials First Responder Operational, Decontamination (2007)

Who Takes It	Hazardous material emergency response personnel
Prerequisites	OSFM recognized/approved Hazardous Materials First Responder Operational Level
Program Type	8-hour course
Class Size	40
Topics	Processes used in decontamination and methods to limit the spread of hazardous materials contamination in a safe and competent manner.

State Fire Training – Incident Command Courses

34. I-200: Basic ICS (2006)

Who Takes It	First line supervisors, single resource bosses, lead dispatchers, field supervisors, company officers, and entry level positions (trainees) on incident management teams
Program Type	12-hour to 16-hour training
Class Size	40
Topics	<ul style="list-style-type: none"> • Principles of the Incident Command System (ICS) • Leadership and management, delegation of authority • Management by objectives; functional areas and positions • Briefings • Organizational flexibility, transitions and transfers

35. I-300: Intermediate ICS (2007)

Who Takes It	Type 3 Incident Management Team (IMT) candidates, incident middle management (Unit Leaders, Division/Group Supervisors, and Strike Team Leaders), elected officials, line officers, lead dispatchers, Multi-agency Coordination (MAC) members, director heads (public works director, fire chief, sheriff), emergency managers, agency representatives
Prerequisites	I-200
Program Type	18 to 24-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Organization and operations in ICS supervisory roles, expanding or Type 3 incidents, with ICS fundamentals review • Incident/event assessment and agency guidance in establishing incident objectives • Unified Command, incident resource management, planning process, demobilization, transfer of command, and close out

36. I-400: Advanced ICS (2006)

Who Takes It	Senior personnel expected to perform in a management capacity in an area command/complex incident environment
Prerequisites	I-300
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Operational understanding of large single-agency and complex multi-agency/multi-jurisdictional incident response • Fundamentals review for command and general staff • Major and/or complex incident/event management • Area command • Multi-agency coordination

37. S-130: Fire Fighter Training (2003)

Who Takes It	Entry-level firefighters
Prerequisites	S-190
Program Type	30 to 35½-hour course Many of the units may be taught in either the classroom or the field; field time is encouraged.
Class Size	40
Topics	<ul style="list-style-type: none"> • Entry-level fire fighter skills • Includes a version of L-180, Human Factors on the Fireline

38. S-131: Fire Fighter Type 1 Training (2004)

Who Takes It	Fire Fighter Type 1 (FFT1)
Prerequisites	Qualified as a Fire Fighter Type 2 (FFT2)
Program Type	8-hour course This course meets the training needs of the Fire Fighter Type 1 (FFT1)
Class Size	40
Topics	<ul style="list-style-type: none"> • Fire line reference materials • Communications • Tactical decision-making

39. S-190: Introduction to Wildland Fire Behavior (2006)

Who Takes It	Entry-level fire fighters
Program Type	6 to 8-hour course Typically taught in conjunction with/prior to S-130 Meets fire behavior training needs of Fire Fighter Type 2 (FFT2) on an incident, per PMS 310-1, Wildland Fire Qualification System Guide
Class Size	40
Topics	<ul style="list-style-type: none"> • Factors affecting the start and spread of wildfire • Recognition of potentially hazardous situations

40. S-200: Initial Attack Incident Commander (2007)

Who Takes It	Personnel desiring to be qualified as an Incident Commander Type 4 (ICT4)
Prerequisites	Qualified as a Single Resource Boss
Program Type	16-hour course Meets the training needs of the ICT4
Class Size	40
Topics	<ul style="list-style-type: none"> • Foundation skills • Intelligence gathering and documentation • Size-up, developing a plan of action • Evaluating incident objectives and managing the incident • Post-fire activities

41. S-203: Introduction to Incident Information (2008)

Who Takes It	Personnel desiring to be qualified as Public Information Officer (PIOF)
Program Type	30-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Establishing/maintaining an incident information operation • Communicating with internal/external audiences • Working with the media • Handling special situations • Long-term planning/strategy

42. S-212: Wildland Fire Chainsaws (2004)

Who Takes It	Individuals desiring to be qualified as Fire Fighter Type 1 (FFT1), Incident Commander Type 5 (ICT5) or Felling Boss (FELB)
Prerequisites	Qualified as a Fire Fighter Type 2 (FFT2)
Program Type	24 to 36-hour course Field exercises support entry-level training for fire fighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surroundings similar to fire line situations
Class Size	Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Function, maintenance and use of internal combustion engine powered chain saws and their tactical wildland fire application

43. S-215: Fire Operations in the Wildland/Urban Interface (2003)

Who Takes It	<p>Wildland Fire Agencies: Required for Initial Attack Incident Commander Type 4 (ICT4) and Strike Team Leader (tractor/plow, dozer, engine, or crew)</p> <p>Structural Fire Departments: Engine operators, chief officers, and company officers responsible for structure protection in suburban/urban interface areas that may be threatened by wildland fire</p>
Prerequisites	<p>Wildland Fire Agencies: Qualified as a Fire Fighter Type 1 (FFT1)</p> <p>Structural Fire Departments: I-100, L-180, S-130, S-131, S-190</p>
Program Type	28 to 32-hour course Additional course time applies when optional exercises at the end of the unit are used or a field exercise is included; course extends to 32 hours.
Class Size	40
Topics	<ul style="list-style-type: none"> • Interface awareness, size-up, initial strategy and incident action plan • Incident action plan assessment and update • Structure triage • Structure protection tactics • Fire fighter safety in the interface • Follow-up and public relations

44. S-230: Crew Boss – Single Resource (2004)

Who Takes It	Personnel desiring to be qualified as an Engine Boss (ENGB)
Prerequisites	S-290 and qualified as a Fire Fighter Type 1 (FFT1)
Program Type	24-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Operational leadership • Preparation and mobilization • Assignment preparation • Risk management, safety and tactics • Entrapment avoidance • Offline duties, demobilization, and post incident responsibilities

45. S-231: Engine Boss (2004)

Who Takes It	Personnel desiring to be qualified as an Engine Boss (ENGB)
Prerequisites	S-230 and qualified as a Fire Fighter Type 1 (FFT1)
Program Type	12 to 16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Engine and crew capabilities and limitations • Information sources • Fire size-up considerations, tactics, and wildland/urban interface

46. S-234 Ignition Operations (2009)

Who Takes It	Personnel desiring to be qualified as Firing Boss (FIRB)
Prerequisites	S-290
Program Type	16-hour course The field exercise portion of the class is not pre-defined. The cadre and sponsoring unit are responsible for planning field exercises and demonstrations in accordance with their capabilities. Although comprehensive, the coursework is not a substitute for the dynamic fire environment.
Class Size	Student/Instructor Ratio of 10:1
Restrictions	Requires a site with adequate materials and equipment to deliver the training according to the course outline.
Topics	<ul style="list-style-type: none"> • Roles and responsibilities of a Firing Boss (FIRB) • Common firing devices, and general firing operations and techniques

47. S-244: Field Observer (2007)

Who Takes It	Personnel desiring to be qualified as a Field Observer (FOBS) and/or Fire Effects Monitor (FEMO)
Prerequisites	Successful completion of the pre-course work, ability to use a GPS receiver, and S-290 FOBS: Qualified as a Single Resource Boss FEMO: Qualified as a Fire Fighter Type 2 (FFT2)
Program Type	20-hour course The navigation unit includes 4½ hours of field exercises; the final field exercise is 8 hours.
Class Size	40
Topics	<ul style="list-style-type: none"> • Roles and responsibilities of the FOBS and FEMO • How to make and document observations • How to produce hand-drawn and GPS field maps • How to navigate using a compass and GPS

48. S-245: Display Processor (2007)

Who Takes It	Personnel desiring to be qualified as a Display Processor (DPRO)
Prerequisites	Successful completion of the pre-course work
Program Type	8-hour course The final exam is 3 hours.
Class Size	40
Topics	<ul style="list-style-type: none"> • Roles and responsibilities • How to assist the situation unit leader with producing incident maps • Inputs for the Incident Status Summary (ICS-209) and other incident products

49. S-270: Basic Air Operations (2003)

Who Takes It	Single Resource Boss, Incident Commander Type 4 (ICT4), and Support Dispatcher (EDSD)
Program Type	16-hour course Regulations, procedures, and policies addressed in this course are primarily those governing federal agency and ICS operations. State, county, or other entities using this course must consult the agency having jurisdiction for regulations, procedures, and policies, as appropriate.
Class Size	40
Topics	<ul style="list-style-type: none"> • Aircraft types and capabilities • Aviation management and safety for flying in and working with agency aircraft • Tactical and logistical uses of aircraft • Requirements for helicopter take-off and landing areas

50. S-290: Intermediate Wildland Fire Behavior (2007)

Who Takes It	Personnel desiring to be qualified as any Single Resource Boss or Fire Effects Monitor (FEMO)
Prerequisite	S-190
Program Type	32-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Safe and effective fire management operations • Fire behavior prediction knowledge and skills • Fire environment differences and local conditions

51. S-300: Extended Attack Incident Commander (2008)

Who Takes It	Personnel desiring to be qualified as an Incident Commander Type 3 (ICT3)
Prerequisite	Successful completion of the pre-course work Qualified as an Incident Commander Type 4 (ICT4) and Task Force Leader (TFLD) or Qualified as an Incident Commander Type 4 (ICT4), Strike Team Leader (TFLD), and any two Single Resource Boss positions – one must be Crew (CRWB) or Engine (ENGB)
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Leadership and command • Foundation skills • Situational awareness, command and control • Managing the incident • Transitional activities, post-fire activities, and final simulation

52. S-330: Task Force/Strike Team Leader (2005)

Who Takes It	Personnel desiring to be qualified as a Task Force Leader (TFLD) or any Strike Team Leader (STPL, STDZ, STEN, or STCR)
Prerequisite	Successful completion of the pre-course work Qualified as any Single Resource Boss
Program Type	24-hour course
Class Size	40
Topics	Designed to meet the training requirements outlined in the Wildland Fire Qualification System Guide and the Position Task Books (PTB) developed for the positions of Task Force Leader and Strike Team Leader and specific to wildland fire suppression.

53. S-336: Tactical Decision Making in Wildland Fire (2004)

Who Takes It	Experienced Single Resource Bosses and Initial Attack Incident Commanders
Prerequisite	Qualified as a Single Resource Boss or Initial Attack Incident Commander Type 4 (ICT4)
Program Type	24 to 32-hour course
Class Size	40
Topics	Designed to meet training requirements in the Operations Section of the ICS, specific to wildland fire suppression. Prepares experienced Single Resource Bosses and Initial Attack Incident Commanders in the tactics necessary at the Strike Team/Task Force Leader level. Also valuable for Operations Supervisors qualified at higher management levels who have not received training in wildfire suppression tactics.

54. S-339: Division/Group Supervisor (2006)

Who Takes It	Personnel desiring to be qualified as a Division/Group Supervisor (DIVS)
Prerequisite	I-200, I-300 Qualified as a Task Force Leader (TFLD) or Incident Commander Type 3 (ICT3) or Incident Commander Type 4 (ICT4) and in any two Strike Team Leader positions – one must be STCR or STEN
Program Type	20-hour course; includes final examination
Class Size	40
Topics	<ul style="list-style-type: none"> • Division/group management • Organizational interaction, division operations • All-hazard operations • Tactical decision games (optional)

55. S-404: Safety Officer (2002)

Who Takes It	Personnel desiring to be qualified as a Safety Officer
Program Type	24-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • Safety officer effectiveness • Analysis techniques • Safety messages, briefings and reports • High hazard operations

56. S-445: Incident Training Specialist (2009)

Who Takes It	Personnel desiring to be qualified as Training Specialist (TNSP); based on technical competence in the ICS and availability to participate on incidents
Program Type	14 to 18-hour course
Class Size	40
Topics	Training Specialist duties include coordinating incident training opportunities and activities, ensuring the quality of training assignments, and completing documentation of the incident training.

57. S-330: Task Force/Strike Team Leader All Risk (2002)

Who Takes It	Individuals qualifying within the ICS as a Task Force or Strike Team Leader
Prerequisites	I-300, S-290
Program Type	28-hour course
Class Size	40
Topics	Meets the S-330 training requirements of the California Incident Command Certification System (CICCS) for the position of Strike Team/Task Force Leader-All Risk

58. S-339: Division/Group Supervisor All Risk (2000)

Who Takes It	Individuals qualifying within the ICS as a Division/Group Supervisor
Prerequisites	I-300, S-330
Program Type	24-hour course
Class Size	40
Topics	Management skills necessary to fill the position of Division/Group Supervisor within the framework of ICS

59. Instructor I: Instructional Methodology (2014)

Who Takes It	Personnel preparing for a college level fire instructor, Company Officer, or SFT Certified Training Instructor Position
Prerequisites	None, but the following courses are recommended: Introduction to the Incident Command System (IS-100.B), FEMA OR; National Incident Management System (IS-700.A) FEMA
Program Type	40-hour course Curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications
Standard	Complete all group activities and formative tests. Pass all individual activities without omitting critical criteria.
Certification	Instructor I
Class Size	20 with a Student/Instructor ratio of 20:1; additional skills evaluators as needed to maintain 16:1 ratio for psychomotor teaching demonstrations
Topics	<ul style="list-style-type: none"> • Teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. • Adapt a lesson plan and complete the reporting requirements to the local jurisdiction

60. Instructor II: Instructional Development (2014)

Who Takes It	Personnel preparing for a college level fire instructor, Company Officer, or SFT Certified Training Instructor Position
Prerequisites	Instructional Methodology Introduction to the Incident Command System (IS-100.B), FEMA OR National Incident Management System (IS-700.A), FEMA
Program Type	40-hour course Curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications and the 2012 edition of NFPA 1403 Standard on Live Fire Training Evolutions
Standard	Complete all group activities and formative tests. Pass all individual activities without omitting critical criteria.
Certification	Instructor II
Class Size	20 with a Student/Instructor ratio of 20:1; additional skills evaluators as needed to maintain 16:1 ratio for psychomotor teaching demonstrations
Topics	<ul style="list-style-type: none"> • Develop lesson plans and evaluation instruments • Teach and deliver instruction, and evaluate and coach other instructors • Analyze resources and formulate a program budget

61. Instructional Techniques for Company Officers

Who Takes It	Company Officers and fire fighters responsible for in-service instruction and training
Program Type	16-hour course
Class Size	25
Topics	<ul style="list-style-type: none"> • Basic instructional concepts and techniques • Effective communication • Teaching from lesson plans • Methods of instruction, skills training and adult learning

62. Training Instructor 1A: Cognitive Lesson Delivery (2010)

Who Takes It	Personnel preparing for a Company Officer, SFT Registered Instructor, or Training Officer position
Program Type	40-hour course Two (2) student instructor teaching demonstrations are required of all
Certification	Fire Officer Training Instructor
Class Size	32; Additional instructor/skills evaluator when more than 16 students
Topics	<ul style="list-style-type: none"> • Methods and techniques for training • Selecting, adapting, organizing, and using instructional materials • Criteria and methods to evaluate teaching and learning efficiency

63. Training Instructor 1B: Psychomotor Lesson Delivery (2010)

Who Takes It	Personnel preparing for a Company Officer, SFT Registered Instructor, or Training Officer position
Prerequisite	Training Instructor 1A
Program Type	40-hour course Two (2) student instructor teaching demonstrations are required of all
Certification	Fire Officer Training Instructor
Class Size	32; Additional instructor/skills evaluator when more than 16 students
Topics	<ul style="list-style-type: none"> • Methods and techniques • Adapting, organizing, and using instructional materials • Criteria and methods to evaluate teaching and learning efficiency

64. Training Instructor 1C: Instructional Development Techniques (2010)

Who Takes It	Personnel preparing for a Company Officer, SFT Registered Instructor, or Training Officer position
Prerequisite	Training Instructor 1A, Training Instructor 1B
Program Type	40-hour course Two (2) student instructor teaching demonstrations are required of all
Certification	Training Instructor
Class Size	32; Additional instructor/skills evaluator when more than 16 students
Topics	<ul style="list-style-type: none"> • Methods and techniques for developing lesson plans • Ancillary components • Tests in accordance with the latest concepts in career education

65. Fire Investigation 1A: Fire Origin and Cause Determination (1996)

Who Takes It	Fire fighters, fire investigators, and law enforcement officers assigned to fire investigation
Program Type	40-hour training
Certification	Fire Investigator I
Class Size	40
Topics	<ul style="list-style-type: none"> • Introduction and basic overview of fire scene investigation • Providing information on fire scene indicators and to determine a fire's origin

66. Fire Investigation 1B: Techniques of Fire Investigation (2000)

Who Takes It	Fire fighters and fire investigation personnel
Prerequisites	Fire Investigation 1A
Program Type	40-hour training
Certification	Fire Investigator I
Class Size	40
Topics	<ul style="list-style-type: none"> • Juvenile fire setter • Report writing, evidence preservation and collection, interview techniques • Motives, and fire fatalities

Management Courses

67. Chief Fire Officer 3A: Human Resource Management (2014)

Who Takes It	The certified Company Officer advancing to the Chief Fire Officer classification
Prerequisite	Meet the educational requirements for Company Officer
Program Type	26-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Chief Fire Officer
Class Size	25 with a maximum Student/ Instructor Ratio of 25:1
Topics	<ul style="list-style-type: none"> • Developing plans for providing employee accommodation • Developing hiring procedures • Establishing personnel assignments • Facilitating and encouraging professional development • Developing an ongoing education training program, promotion procedures, and proposals for improving employee benefits • Develop a measurable accident and injury prevention program

68. Chief Fire Officer 3B: Budget and Fiscal Responsibilities (2014)

Who Takes It	The certified Company Officer advancing to the Chief Fire Officer classification
Prerequisite	Meet the educational requirements for Company Officer
Program Type	18-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Chief Fire Officer
Class Size	25 with a maximum Student/ Instructor Ratio of 25:1
Topics	<ul style="list-style-type: none"> • Developing a budget management system and division or departmental budget • Describing the process for ensuring competitive bidding

69. Chief Fire Officer 3C: General Administration Functions (2014)

Who Takes It	The certified Company Officer advancing to the Chief Fire Officer classification
Prerequisite	Meet the educational requirements for Company Officer
Program Type	24-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Chief Fire Officer
Class Size	25 with a maximum Student/ Instructor Ratio of 25:1
Topics	<ul style="list-style-type: none"> • Directing a department record management system • Analyzing and interpreting records and data • Developing a model plan for continuous organizational improvement • Developing a plan to facilitate approval • Preparing community awareness programs • Evaluating the inspection program of the AHJ

70. Company Officer 2A: Human Resource Management (2014)

Who Takes It	Aspiring company officers
Prerequisites	Meet the educational requirements for Fire Fighter II Certification: Fire Officer (Level I and II)
Program Type	40-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Officer (Level I and II)
Class Size	32
Topics	<ul style="list-style-type: none"> • Use of human resources to accomplish assignments • Evaluating member performance • Supervising personnel • Integrating health and safety plans, policies, and procedures into daily activities and the emergency scene

71. Company Officer 2B: General Administrative Functions (2014)

Who Takes It	Aspiring company officers
Prerequisites	Meet the educational requirements for Fire Fighter II
Program Type	20-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Officer (Level I and II)
Class Size	32
Topics	General administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public.

72. Fire Management 1: Management/Supervision for Company Officers (2000)

Who Takes It	Company Officers or fire fighters preparing for the position of Company Officer
Program Type	40-hour course
Certification	Fire Officer
Class Size	40
Topics	<ul style="list-style-type: none"> • Key management concepts and practices • Decision making, time management • Leadership styles • Personnel evaluations, counseling guidelines

73. Fire Service Supervision: Increasing Personal Effectiveness

Who Takes It	Company Officers or other individuals responsible for supervising personnel or managing programs and projects
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • NFA hand-off course – reviews basic skills and techniques • Managerial style and personal performance • Time management • Personal professional development planning

74. Fire Service Supervision: Increasing Team Effectiveness

Who Takes It	Company Officers or other individuals responsible for supervising personnel
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • NFA hand-off course –designed to meet the needs of fire service supervisors and program managers • Skills in relating with others • Motivating others • Interpersonal communications • Counseling, group dynamics, and conflict resolution

75. Volunteer Fire Service Management

Who Takes It	Company Officers or other individuals responsible for supervising personnel or managing programs and projects
Program Type	16-hour course
Class Size	40
Topics	<ul style="list-style-type: none"> • NFA hand-off course – provides overview and introduction to managing within a volunteer service environment • Management principles and techniques • Planning, organizing, controlling • Problem solving and motivating

Prevention Courses

76. Company Officer 2C: Fire Inspections and Investigations (2014)

Who Takes It	Aspiring company officers
Prerequisites	Meet the educational requirements for Fire Fighter II
Program Type	40-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Officer (Level I and II)
Class Size	32
Topics	<ul style="list-style-type: none"> • Conducting inspections, identifying hazards and addressing violations • Performing a fire investigation to determine preliminary cause • Securing the incident scene and preserving evidence

77. Fire Inspector 1A: Duties and Administration (2010)

Who Takes It	Entry level Inspector
Program Type	24-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Inspector
Class Size	30
Topics	<ul style="list-style-type: none"> • Legal responsibilities and authority, codes and standards • The inspection process • Confidentiality and privacy requirements • Ethical conduct • Preparing inspection reports • Recognizing the need for a permit or plan review • Investigating common complaints • Participating in legal proceedings

78. Fire Inspector 1B: Fire and Life Safety (2010)

Who Takes It	Entry level Inspector
Prerequisite	Fire Inspector 1A: Duties and Administration
Program Type	24-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Inspector
Class Size	30
Topics	<ul style="list-style-type: none"> • Building construction • Occupancy classifications, occupancy load • Means of egress • Hazardous conditions • Fire growth potential and fire flow • Emergency planning and preparedness measures

79. Fire Inspector 1C: Field Inspection (2010)

Who Takes It	Entry level Inspector
Prerequisite	Fire Inspector 1B: Fire and Life Safety
Program Type	24-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Inspector
Class Size	30
Topics	<ul style="list-style-type: none"> • Basic plan review • Emergency access for an existing system • Hazardous materials • Operational readiness of fixed fire suppression systems • Existing fire detection and alarm systems • Portable fire extinguishers

80. Fire Inspector 1D: Field Inspection – California Specific (2010)

Who Takes It	Entry level Inspector
Prerequisite	Fire Inspector 1C: Field Inspection
Program Type	16-hour course
Standard	Complete all activities and formative tests. Complete all summative tests with a minimum score of 80 percent.
Certification	Fire Inspector
Class Size	30
Topics	<ul style="list-style-type: none"> • Field inspection roles and responsibilities specific to California • Tents, canopies, and temporary membrane structures • Fireworks and explosives • Wildland urban interface environments

81. Fire Prevention 1: Fire and Life Safety Inspections for the Company Officer (2011)

Who Takes It	Entry level Company Officer
Program Type	32-hour course; (27 hours lecture, 3 hours activities, 1.5 hours testing)
Standard	Complete all summative tests with a minimum score of 80 percent.
Certification	Company Officer
Class Size	40
Topics	<ul style="list-style-type: none"> • Company Officer certification track and Capstone Task Book process • Company Officer's role in fire prevention • Relationship between life safety and building construction • Elements of a quality company inspection program • Addressing complex hazards encountered during an inspection

Public Education Courses

82. Public Education 1: Systematic Planning and Communication Skills (1989)

Who Takes It	Personnel involved with preparing and delivering public education and information programs
Program Type	40-hour course
Standard	Complete all summative tests with a minimum score of 80 percent.
Certification	Public Education Officer I
Class Size	40
Topics	<ul style="list-style-type: none"> • Systematic planning process for public education • Use of CFIRS to analyze local fire problems • Communication skills • Program evaluation • Working with the media • Integrating programs into schools • Gaining community support • Fire safety for children • Interviewing and counseling juvenile fire setters • Creating and using audio/visual resources