STATE FIRE TRAINING

FIRE FIGHTER I

NAME:			
	TOPIC	TIME	APPROVED INSTRUCTOR INITIALS and DATE
UNIT A	**FIRE SERVICE ORGANIZATION AND RESPONSIBILITY**	**18:00**	
1.	Relationship of fire department with other local agencies	0:30	
2.	National, federal, and state fire service organizations	1:00	
3.	Community organizations having an interest/relationship to public fire protection	0:15	
4.	Fire department functions	0:30	
5.	Fire department plans	0:30	
6.	Principles of the standardized emergency management system (SEMS)	1:00	
7.	The fire prevention function	0:30	
8.	Fire service resources	1:00	
9.	Duties of fire service ranks and positions	1:00	
10.	Fire service agency rules and regulations	0:30	
11.	Discipline in the fire service	0:15	
12.	Fire fighter safety and physical fitness	0:45	
13.	Fire service labor organizations	0:30	
14.	Work site health and safety legislation	0:15	
15.	California Joint Apprenticeship Program	0:30	
16.	Sexual harassment recognition and prevention	2:00	
17.	Cultural diversity, part 1	2:00	
18.	Cultural diversity, part 2	2:00	
19.	Training and education programs	0:30	
20.	Why we plan for mutual aid	0:30	
21.	CA fire service and rescue emergency mutual aid plan	2:00	
UNIT B	**MISCELLANEOUS EQUIPMENT AND TOOLS**	**11:30**	
1.	Characteristics and functions of fire service hand tools	2:00	
2.	Inspection and maintenance of fire service hand tools	0:30	
3.	Characteristics and functions of fire service power tools	1:00	
4.	Inspection and maintenance of fire service power tools	0:30	
5.	Record management systems for hand and power tools	0:15	
6.	How to operate a chain saw	1:00	
7.	How to operate a rotary (circular) saw	0:30	
8.	Characteristics and functions of pneumatic air chisels	0:30	
9.	Inspection and maintenance of pneumatic air chisels	0:30	
10.	Characteristics and functions of fire service lighting equipment	0:30	
11.	Inspection and maintenance of fire service lighting equipment	1:00	
12.	How to set up portable lights	0:30	
13.	Characteristics and functions of headlamps	0:15	
14.	Characteristics and functions of fire service jacks	1:30	
15.	How to ignite and extinguish road flares or fusees	0:15	
16.	Characteristics and functions of thermal imaging devices	0:15	
17.	Safety concerns for utility interruptions	0:30	
18.	Navigational tools for the fire service	0:15	
UNIT C	**FIRE BEHAVIOR AND EXTINGUISHMENT THEORY**	**16:30**	

NAME:			
	TOPIC	TIME	APPROVED INSTRUCTOR INITIALS and DATE
1.	Introduction to building construction	1:00	
2.	Building components	2:00	
3.	Purpose of fire resistive ratings for walls and buildings	1:00	
4.	Basic roof construction and safety considerations	0:30	
5.	Indications of potential building collapse	1:00	
6.	Types of heat measurement	1:00	
7.	Sources of heat energy	0:30	
8.	Theory and fundamentals of heat transfer	0:30	
9.	Terms related to the fundamentals of combustion	0:30	
10.	Elements of the combustion process	0:30	
11.	Products of combustion	0:30	
12.	Physical properties of common combustion gases	0:30	
13.	Phases of fire	1:00	
14.	Characteristics of pyrolysis, rollover, flashover, and backdraft	2:00	
15.	Types and causes of explosions	0:30	
16.	Characteristics and functions of extinguishing agents	2:30	
17.	Properties of water as they relate to fire fighting	1:00	
UNIT D	**FIRE FIGHTER SAFETY**	**10:15**	
1.	General safety precautions for all emergency situations	0:30	
2.	Personal protective equipment for the fire service	1:00	
3.	Reasons why personal protective equipment can fail	0:30	
4.	Characteristics and functions of personal alarm devices	0:15	
5.	How to don structural PPE within one minute, doff, and prepare for reuse	0:30	
6.	Traffic control considerations and procedures	1:00	
7.	Safety considerations for energized electrical equipment	0:45	
8.	Procedures for responding on apparatus	0:30	
9.	How to mount and dismount a fire apparatus	0:15	
10.	Fire fighter injuries and fatalities	2:00	
11.	Procedures for using rapid intervention crews	1:00	
12.	Performing an assessment on a downed fire fighter	0:30	
13.	Personnel accountability reports	0:30	
UNIT E	**SELF-CONTAINED BREATHING APPARATUS**	**8:15**	
1.	Conditions requiring respiratory protection	1:00	
2.	Types of self-contained breathing apparatus	0:15	
3.	SCBA components and accessories	0:30	
4.	Factors affecting reduced air supply duration of SCBA	1:00	
5.	Safe use of SCBA	0:30	
6.	Emergency procedures when using SCBA	0:30	
7.	How to don a SCBA facepiece with a low pressure hose	0:15	
8.	How to don a SCBA facepiece with a facepiece-mounted regulator	0:15	
9.	How to don a SCBA, over-the-head method	0:15	
10.	How to don a SCBA, sling/coat method	0:15	
11.	How to don a SCBA from vehicle or wall mount	0:15	

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12.	How to remove a SCBA	0:15	
13.	How to pass through a narrow opening while wearing a SCBA	0:15	
14.	How to change a SCBA air cylinder, one-person method	0:15	
15.	How to change a SCBA air cylinder, two-person method	0:15	
16.	Methods used to fill SCBA cylinders	0:30	
17.	How to fill a SCBA cylinder, cascade method	0:30	
18.	Inspection and maintenance of SCBA	1:00	
19.	Procedures used to clean and sanitize SCBA	0:15	
UNIT F	**PORTABLE FIRE EXTINGUISHERS**	**7:45**	
1.	Classification of fire and fire extinguishers	1:30	
2.	Classification markings on portable fire extinguishers	0:30	
3.	Portable fire extinguisher laws and regulations	1:00	
4.	How to operate a portable extinguisher using "PASS" method	0:15	
5.	Safety precautions when using portable fire extinguishers	0:30	
6.	Characteristics and functions of portable fire extinguishers	1:00	
7.	How to operate a gas cartridge portable fire extinguisher	0:15	
8.	How to operate a stored-pressure portable fire extinguisher	0:15	
9.	Inspection and maintenance of portable fire extinguishers	0:30	
10.	How to service a gas cartridge portable fire extinguisher	1:00	
11.	How to service a stored-pressure portable fire extinguisher	1:00	
UNIT G	**ROPES, KNOTS, AND HITCHES**	**6:45**	
1.	Characteristics and functions of fire service rope and webbing	0:30	
2.	Inspection and maintenance of fire service rope and webbing	0:30	
3.	Introduction to fire service rescue knots	0:30	
4.	How to tie a half hitch	0:15	
5.	How to tie a clove hitch	0:15	
6.	How to tie a square knot	0:15	
7.	How to tie a bowline	0:15	
8.	How to tie a becket bend	0:15	
9.	How to tie a half sheepshank (trucker's hitch)	0:15	
10.	How to tie the family of eight knots	0:30	
11.	How to tie a handcuff knot	0:15	
12.	How to tie an overhand bend (water knot) with webbing	0:15	
13.	Safety considerations when hoisting or lowering equipment	0:15	
14.	How to tie-off a pick-head axe for hoisting	0:15	
15.	How to tie-off a pike pole for hoisting	0:15	
16.	How to tie-off a roof ladder for hoisting	0:30	
17.	How to tie-off a dry hoseline for hoisting	0:15	
18.	How to tie-off a charged hoseline for hoisting	0:15	
19.	Methods of storing rope	0:15	
20.	How to make a barrel coil	0:30	
21.	How to load a drop bag	0:15	

NAME:			
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UNIT H	HOSE, NOZZLES, AND APPLIANCES	35:15	
1.	Characteristics and functions of fire hose and couplings	1:30	
2.	Inspection and maintenance of fire hose	1:00	
3.	Inspection and maintenance of hose couplings	0:30	
4.	Characteristics and functions of nozzles	1:30	
5.	Inspection and maintenance of nozzles	0:15	
6.	Characteristics and functions of fire service wyes	0:15	
7.	Characteristics and functions of fire service siamese	0:15	
8.	Characteristics and functions of special hose appliances	0:30	
9.	Inspection and maintenance of hose appliances	0:30	
10.	How to make an in-service straight roll	0:15	
11.	How to make an out-of-service straight roll	0:15	
12.	How to make a donut roll, one-person method	0:15	
13.	How to make a donut roll, two-person method	0:15	
14.	How to make a twin donut roll	0:15	
15.	How to make a self-locking twin donut roll	0:15	
16.	Procedures for inspecting, coupling, and uncoupling hoseline	0:15	
17.	How to couple hoseline, one-person, foot-tilt method	0:15	
18.	How to couple hoseline, two-person method	0:15	
19.	How to couple hoseline, one-person, between-the-feet method	0:15	
20.	How to couple hoseline, one-person, over-the-hip method	0:15	
21.	How to uncouple a tight coupling, one-person, knee-press method	0:15	
22.	How to uncouple a tight coupling, two-person, stiff-arm method	0:15	
23.	How to attach a nozzle to a hoseline, one-person, tilt method	0:15	
24.	How to attach a nozzle to a hoseline, two-person method	0:15	
25.	How to siamese two lines into one	0:30	
26.	How to wye hoselines together	0:30	
27.	Characteristics and functions of the hose clamp	0:15	
28.	How to operate a hose clamp	0:15	
29.	Characteristics and functions of the spanner wrench	0:15	
30.	Characteristics and functions of the hose roller	0:15	
31.	Characteristics and functions of hose ramps and bridges	0:15	
32.	Characteristics and functions of chafing blocks	0:15	
33.	Basic hose loads and finishes	1:00	
34.	How to make the accordion load, three-person method	1:00	
35.	How to make the flat load, two-person method	1:00	
36.	How to make the horseshoe load, two-person method	1:00	
37.	Procedures for loading large diameter hose	0:30	
38.	How to load large diameter hose on a reel	0:15	
39.	How to flat load large diameter hose, three-person method	0:30	
40.	Types of supply line hose lays	0:30	
41.	How to make a hydrant connection	0:30	
42.	How to perform a horseshoe shoulder carry	0:30	
43.	How to perform an accordion shoulder carry	0:30	

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44.	How to load and carry a working line	0:30	
45.	How to perform the drain and carry	0:30	
46.	How to advance the nozzle end of a hoseline	0:15	
47.	How to advance an uncharged 2½" hoseline with attached nozzle	0:15	
48.	How to advance a charged hoseline into a structure, two-person method	1:00	
49.	How to advance a 2½" hoseline up a stairway, three person	1:00	
50.	How to advance a 2½" hoseline up an exterior stairway using a pike pole, three-four person	0:30	
51.	How to advance a 2½" hoseline down a stairway	1:00	
52.	How to connect a 2½" hoseline to an upper floor standpipe and advance the line, two-person method	0:30	
53.	How to advance an uncharged 2½" hoseline up an extension ladder and into a window, three-person method	0:30	
54.	How to advance a charged 2½" hoseline up an extension ladder and into a window, four-person method	0:30	
55.	How to extend a charged 2½" hoseline	0:30	
56.	How to reduce a hoseline	0:30	
57.	Procedures for retrieving a loose hoseline	0:30	
58.	How to replace a section of hose in a charged 2½" hoseline	0:30	
59.	Selection and use of fire streams	1:00	
60.	How to use a booster line	0:30	
61.	How to operate a medium-size attack line, two-person method	0:30	
62.	How to operate a large-size attack line, one-person method	0:30	
63.	How to operate a large-size attack line, two-person method	0:30	
64.	How to operate a large-size attack line, three-person method	0:30	
65.	How to operate a charged 2½" hoseline from a ladder	0:30	
66.	Characteristics and functions of master stream appliances	0:30	
67.	How to deploy a portable monitor unit	1:00	
68.	Characteristics and functions of foam producing devices	1:00	
69.	Inspection and maintenance of foam producing devices	0:30	
UNIT I	**GROUND LADDERS**	**16:00**	
1.	Types of ladders used by the fire service	0:30	
2.	Characteristics and functions of fire service ground ladders	0:30	
3.	Ladder design and construction	0:30	
4.	Selection methods for the proper size ladder for different situations	0:15	
5.	Ladder safety practices	0:30	
6.	Methods of improvising with ground ladders	0:45	
7.	Inspection and maintenance of fire service ground ladders	0:30	
8.	Ground ladder testing	0:15	
9.	How to remove a ladder from an apparatus, one-person method	0:15	
10.	How to remove a ladder from an apparatus, two-person method	0:15	
11.	How to lift and lower a ladder from the ground, one-person method	0:15	
12.	How to carry a ladder, one-person, high-shoulder method	0:15	
13.	How to carry a straight ladder, one-person, arm's-length method	0:15	
14.	How to carry a ladder, one-person, low-shoulder method	0:15	

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15.	How to carry a ladder, two-person, low-shoulder method	0:15	
16.	How to carry an extension ladder, two or three-person, arm's-length-on-edge method	0:15	
17.	How to carry a ladder, three-person, flat-shoulder method	0:15	
18.	How to carry an extension ladder, three-person, flat-arm's-length method	0:15	
19.	How to carry an extension ladder, four to six-person, flat-shoulder method	0:15	
20.	How to carry a ladder, four to six-person, flat-arm's-length method	0:15	
21.	How to carry a ladder though a narrow passageway from flat-shoulder carry	0:15	
22.	How to raise a folding (attic) ladder, one-person method	0:15	
23.	How to extend an extension-type a-frame combination ladder, one-person method	0:15	
24.	How to raise a combination a-frame ladder, one-person method	0:30	
25.	How to raise a straight or roof ladder, one-person, high-shoulder method	0:30	
26.	How to raise and extend an extension ladder, one-person, high-shoulder method	0:30	
27.	How to raise a straight or extension ladder, two-person, beam method	0:30	
28.	How to raise a straight or extension ladder, two-person, flat-raise method	0:30	
29.	How to raise, extend, and lower an extension ladder, three-person, flat-raise method	0:30	
30.	How to raise an extension ladder, four-person, flat-raise method	0:30	
31.	How to deploy a roof ladder, one-person method	0:15	
32.	How to deploy a roof ladder, two-person method	0:15	
33.	How to tie a ladder halyard	0:15	
34.	How to pivot a free-standing straight or extension ladder, one-person method	0:15	
35.	How to pivot a free-standing straight or extension ladder, two-person method	0:15	
36.	How to heel/foot a ladder	0:15	
37.	How to adjust a ladder's climbing angle, one-person method	0:15	
38.	How to climb a ladder	0:15	
39.	How to carry a pike pole up a ladder	0:15	
40.	How to carry a hand tool up a ladder	0:15	
41.	How to tie a ladder in	0:15	
42.	How to work on a ladder, leg-lock method	0:15	
43.	How to dismount a ladder into a window	0:15	
44.	How to dismount a ladder onto a roof	0:15	
45.	How to raise a pole ladder, four-person, flat-raise method	0:45	
46.	How to raise a pole ladder, five to six-person, flat-raise method	0:45	
UNIT J	**FORCIBLE ENTRY**	**7:30**	
1.	Principles of breaking or pulling locks	0:30	
2.	Principles of forcing single-entry doors	2:00	
3.	Principles of forcing overhead doors	0:15	
4.	Principles of opening walls	0:30	
5.	Principles of opening partitions	0:30	
6.	Principles of opening ceilings with a pike pole	0:15	
7.	Principles of opening floors	0:15	
8.	How to force open and remove security bars	0:15	

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9.	How to force open and remove a security screen	0:15	
10.	Operating principles for various window styles	0:45	
11.	Principles of breaking window glass	0:15	
12.	How to force open a double-hung/checkrail window	0:15	
13.	How to force open a casement (hinged) window	0:15	
14.	How to force open an awning or jalousie louvered window	0:15	
15.	How to force open a projected (factory) window	0:15	
16.	How to force open a Lexan® window	0:15	
17.	Dangers of forcing entry through doors, windows, and walls	0:30	

UNIT K	RESCUE	8:45	
1.	Components of rescue operations	1:00	
2.	Safety considerations during a rescue search in a burning building	0:30	
3.	Search and rescue procedures in a burning, smoked-filled building	1:00	
4.	Characteristics of primary and secondary searches in a structure	0:15	
5.	How to lift and carry a victim, one-person, incline drag method	0:15	
6.	How to carry a victim, cradle-in-arms method	0:15	
7.	How to drag a victim, turnout coat or blanket drag method	0:15	
8.	How to carry a victim, two-person, chair-carry method	0:15	
9.	How to carry a victim, two-person, seat-carry method	0:15	
10.	How to carry a victim, two-person, extremities method	0:15	
11.	How to carry a victim, three-person method	0:15	
12.	How to construct an improvised stretcher	0:15	
13.	Why stairways are preferred over ladders for rescue	0:15	
14.	How to assist a conscious victim down a ladder, two-person method	0:30	
15.	How to move an unconscious victim down a ladder, two-person method	0:30	
16.	How to use a ladder for ground level rescue, three-person method	0:30	
17.	How to tie and attach the rescue chest harness	0:15	
18.	How to wrap a victim before securing in a rescue litter	0:30	
19.	USAR Incident Command System	0:30	
20.	Basic, light, medium, and heavy operational levels for USAR teams	0:15	
21.	Search marking systems used by USAR teams	0:15	
22.	Structure and hazard markings used by USAR teams	0:15	
23.	Supporting USAR teams during deployment	0:15	
UNIT L	VENTILATION	12:00	
1.	Safety considerations during ventilation operations	0:30	
2.	Fireground use of forced ventilation equipment	0:15	
3.	Horizontal ventilation principles and procedures	1:00	
4.	Consequences of improper horizontal ventilation	0:15	
5.	How to perform hydraulic ventilation with a fog nozzle	0:15	
6.	Considerations given vertical ventilation openings	0:30	
7.	Principles and procedures for ventilating various roof designs	1:00	
8.	Principles and procedures for vertical ventilation	0:30	

NAME:			
	TOPIC	TIME	APPROVED INSTRUCTOR INITIALS and DATE
9.	Consequences of improper vertical ventilation	0:30	
10.	Using existing roof openings for vertical ventilation	0:30	
11.	Principles of strip ventilation	0:30	
12.	Principles of positive pressure ventilation	1:00	
13.	How to operate a positive pressure ventilation fan	0:30	
14.	How to use a smoke ejector to force ventilation through a horizontal opening	0:15	
15.	How to hang a smoke ejector outside a window using a ladder	0:15	
16.	How to hang a smoke ejector in a hall or archway	0:15	
17.	How to hang a smoke ejector in an A-frame	0:30	
18.	How to hang a smoke ejector in a door or window casing	0:15	
19.	How to hang a smoke ejector on a ladder in a stairway	0:15	
20.	How to hang a smoke ejector from the top of a door	0:15	
21.	Using flexible duct attachment for ventilation	0:30	
22.	Built-in ventilation devices	0:45	
23.	Controlling the spread of smoke and fire through duct systems	1:00	
24.	Below-grade ventilation	0:30	
UNIT M	**FIRE CONTROL**	**10:30**	
1.	Principles underlying the various modes of fire attack	0:30	
2.	Types of fire streams and point of application for Class A fires	0:30	
3.	Basic guidelines for initial attack	0:30	
4.	Why water extinguishes Class A fires	0:15	
5.	Safety precautions when using water to extinguish a fire	0:30	
6.	Safety precautions when handling hoseline	0:30	
7.	How to safely attack an interior or exterior Class A fire	1:00	
8.	Methods used to protect exposures	0:30	
9.	How to protect exposures	0:30	
10.	Basic considerations for vehicle fires	0:30	
11.	Safety precautions for vehicle fires	0:30	
12.	Accessing passenger vehicle compartments during a fire	0:30	
13.	Physical properties of combustible and flammable liquids and gases	1:45	
14.	Extinguishing Class B fires	1:30	
15.	How to control a flammable liquid gas cylinder fire while operating as a member of a crew	1:00	
UNIT N	**SALVAGE AND OVERHAUL**	**23:15**	
1.	Purpose and value of salvage operations	0:30	
2.	Safety considerations during salvage and overhaul operations	0:30	
3.	Considerations for atmospheric monitoring	0:30	
4.	Commonly performed overhaul procedures and their purpose	0:30	
5.	Characteristics and functions of fire service salvage equipment	1:00	
6.	Procedures for detecting hidden fires	1:00	
7.	Principles and procedures for using an infrared scanner	0:30	
8.	Procedures for extinguishing hidden fires	1:00	
9.	Providing protection during chimney fires	0:15	

NAME:			
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10.	Inspection and maintenance of fire service salvage covers	0:45	
11.	Procedures for making buildings and areas safe after an emergency	2:00	
12.	Arranging building contents for covering	0:30	
13.	Using salvage covers to cover shelves	0:15	
14.	Protecting floors and walls using salvage covers	0:30	
15.	Procedures for constructing a smoke curtain	0:15	
16.	How to roll a salvage cover for a one-person throw	0:30	
17.	How to fold a salvage cover for a one-person throw	1:00	
18.	How to perform the accordion fold	0:30	
19.	How to spread a rolled salvage cover	0:30	
20.	How to spread a folded salvage cover	0:30	
21.	How to spread an accordion folded salvage cover	0:30	
22.	How to spread a salvage cover with the balloon throw, two-person method	0:30	
23.	How to spread a salvage cover using the single-edge snap throw, two-person method	0:30	
24.	How to spread a folded salvage cover using the double-edge snap throw, two-person method	0:30	
25.	How to spread an accordion folded salvage cover using the two-person counter payoff method	0:30	
26.	How to remove a salvage cover	0:15	
27.	How to splice salvage covers, two-person method	0:30	
28.	Principles and procedures for using and constructing water chutes and dikes	0:15	
29.	How to make a water chute with pike poles, two-person method	0:30	
30.	Using hoselines to move, contain, or divert water	0:15	
31.	Considerations for constructing a stairway drain	0:15	
32.	How to make a stairway drain	0:30	
33.	Using building drains and scuppers	0:30	
34.	Characteristics and functions of catchalls, catch basins, sumps, and dikes	0:15	
35.	How to make a catchall, two-person method	0:30	
36.	How to make a catch basin	0:30	
37.	How to make a sump	0:30	
38.	How to make a dike	0:30	
39.	Characteristics and functions of water removal devices	0:15	
40.	How to use a squeegee	0:15	
41.	Characteristics and functions of industrial water vacuums	0:15	
42.	How to use a carryall to remove debris	0:15	
43.	Principles and procedures for restoring premises	0:30	
44.	Principles and procedures for covering roof openings	1:00	
UNIT O	**FIRE PROTECTION WATER SYSTEMS**	**5:15**	
1.	Principal features of water systems	1:00	
2.	Factors affecting fire hydrant usability	0:30	
3.	Sources of water supply other than hydrants	0:30	
4.	Characteristics of portable water tanks	0:15	
5.	How to use a public water system's hydrant gate valve	0:30	
6.	How to open and close a fire hydrant valve	0:30	

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7.	NFPA hydrant color-coding system	0:30	
8.	Characteristics of wet and dry-barrel hydrants	0:15	
9.	Inspection and maintenance of fire hydrants	0:30	
10.	How to connect a hard suction hoseline for drafting	0:15	
UNIT P	**FIRE PROTECTION SYSTEMS**	**12:30**	
1.	Components of an automatic sprinkler system	2:00	
2.	Capabilities and limitations of sprinkler systems	0:30	
3.	Characteristics and functions of wet-pipe sprinkler systems	0:30	
4.	Characteristics and functions of dry-pipe and pre-action sprinkler systems	0:30	
5.	Characteristics and functions of deluge sprinkler systems	0:30	
6.	Characteristics and functions of residential sprinkler systems	0:30	
7.	Characteristics and functions of standpipe systems	0:30	
8.	Fire service support activities and safety measures for fire protection systems	0:30	
9.	How to replace an automatic sprinkler system head	0:30	
10.	How to operate a sprinkler system's control valves	1:00	
11.	How to connect a hoseline to support wet and dry standpipes	0:30	
12.	How to connect a hoseline to support a sprinkler system	0:30	
13.	Principles of automatic dry chemical systems	0:15	
14.	Principles of automatic wet chemical systems	0:15	
15.	Principles of Halon systems	0:30	
16.	Characteristics and functions of clean agent and Halon replacement systems	0:15	
17.	Characteristics and functions of automatic foam systems	0:30	
18.	Characteristics and functions of automatic carbon dioxide systems	0:30	
19.	Characteristics and functions of ultra high-speed explosion detection systems	0:30	
20.	Characteristics and functions of water mist systems	0:15	
21.	Characteristics and functions of automatic alarm initiating devices	1:00	
22.	Installation practices for residential smoke detectors	0:30	
UNIT Q	**FIRE PREVENTION AND INVESTIGATION**	**4:00**	
1.	Basic techniques for public education	3:00	
2.	Role of the first responder in fire investigations	1:00	
UNIT R	**COMMUNICATIONS**	**4:45**	
1.	Fire department emergency communication systems	1:00	
2.	Characteristics and functions of a fire department radio	1:00	
3.	How to operate a fire department radio	0:30	
4.	Clear radio text and common terminology	1:00	
5.	Methods of receiving fire alarms	0:30	
6.	Telephone and communication procedures	0:30	
7.	Characteristics and functions of traffic pre-emption devices	0:15	
UNIT S	**VEHICLE EXTRICATION**	**17:30**	
1.	Introduction to the principles of vehicle extrication	1:00	
2.	Vehicle anatomy	0:30	

NAME:			
	TOPIC	**TIME**	**APPROVED INSTRUCTOR INITIALS and DATE**
3.	New vehicle safety systems	0:15	
4.	Vehicle accident size-up	1:00	
5.	Principles of victim disentanglement	1:00	
6.	How to stabilize a vehicle on its wheels	0:30	
7.	How to stabilize a vehicle on its side	0:30	
8.	How to stabilize a vehicle on its roof	0:15	
9.	How to remove an adhesive mounted vehicle windshield, two-person method	0:30	
10.	How to remove a channel mounted vehicle windshield, two-person method	0:30	
11.	How to open a vehicle roof using an air chisel	1:00	
12.	Characteristics and functions of light rescue hand tools	2:00	
13.	How to displace vehicle seats using a come-along and chains	0:30	
14.	How to displace a steering wheel/column using a come-along	0:30	
15.	How to open a vehicle door using panel cutters and a pry bar	0:30	
16.	Characteristics and functions of hydraulic rescue tools	2:30	
17.	Inspection and maintenance of hydraulic rescue tools	0:30	
18.	How to remove a vehicle roof using powered hydraulic shears	0:30	
19.	How to displace a vehicle seat using a hydraulic jack and ram extension	0:30	
20.	How to displace a vehicle seat using a powered hydraulic tool	0:30	
21.	How to remove a vehicle front door using a powered hydraulic tool	0:30	
22.	How to displace a steering wheel/column using a powered hydraulic tool and chains	0:30	
23.	How to displace a dashboard using a powered hydraulic ram	0:30	
24.	How to displace a dashboard using a powered hydraulic spreader	0:30	
25.	Characteristics and functions of air bags as a rescue tool	0:15	
26.	Considerations for preparing, packaging, and removing a victim from a vehicle	0:15	
UNIT T	**WILDLAND FIRE FIGHTING**	**27:45**	
1.	Wildland fire behavior	2:00	
2.	Fire weather	3:00	
3.	Wildland fire fighter preparedness and personal protective equipment	1:00	
4.	Wildland fire fighting safety	2:00	
5.	Lookouts, communications, escape routes, and safety zones (LCES)	1:00	
6.	Safety considerations when working around dozers	0:15	
7.	Safety considerations when working near aircraft	0:30	
8.	Characteristics and functions of fire shelters	1:00	
9.	How to deploy a fire shelter, standing method	0:30	
10.	How to deploy a fire shelter, lying-down method	0:30	
11.	Parts of a wildland fire	0:15	
12.	Wildland fire strategy	0:30	
13.	Handline construction	1:00	
14.	Characteristics and functions of wildland hand tools	1:00	
15.	Inspection and maintenance of wildland hand tools	0:30	
16.	Characteristics and functions of back pumps	0:30	
17.	Characteristics and functions of fusees as a firing tool	0:15	
18.	Characteristics and functions of a drip torch	0:30	

NAME:			
	TOPIC	**TIME**	**APPROVED INSTRUCTOR INITIALS and DATE**
19.	How to use a drip torch	0:30	
20.	Characteristics and functions of wildland hose lays	1:00	
21.	Using water on wildland fires	0:30	
22.	How to construct progressive hose lays	0:30	
23.	Characteristics and functions of mobile attack operations	1:00	
24.	How to perform a mobile attack	0:30	
25.	Characteristics and functions of mop-up and patrol	0:45	
26.	Methods for scouting and communicating spot fires	0:30	
27.	Using a wildland map	1:00	
28.	Using a wildland compass	1:00	
29.	Introduction to incident base	0:30	
30.	Working with wildland fire resources	0:30	
31.	Introduction to I-Zone	0:15	
32.	I-Zone safety considerations	1:00	
33.	I-Zone structure protection procedures	2:00	
UNIT U	**EMERGENCY CARE**		
	Complete, at a minimum, an Emergency Care of the Sick and Injured course	40:00	
UNIT V	**INCIDENT COMMAND SYSTEM**		
	Complete an ICS-200 (Introduction to ICS) course	12:00	
UNIT W	**CONFINED SPACE RESCUE**		
	Complete a Confined Space Rescue Awareness course	8:00	
UNIT X	**HAZARDOUS MATERIALS**		
	Complete an OSFM recognized Hazardous Materials First Responder Operations course	24:00	
	HOURS:	**348:00**	**Plus manipulative performance lab and testing**