

**CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
BASIC FIREFIGHTER TRAINING**

I hereby verify that \_\_\_\_\_ has successfully completed  
*NAME OF EMPLOYEE*  
all of the requirements of the Basic Firefighter Training and is trained to a level of Basic Firefighter.

\_\_\_\_\_  
*TRAINING OFFICER SIGNATURE OF VERIFICATION*

ASSIGNED LOCATION OF THE EMPLOYEE \_\_\_\_\_

UNIT \_\_\_\_\_ DATE OF HIRE \_\_\_\_\_



# CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

## BASIC FIREFIGHTER TRAINING SYLLABUS

This syllabus contains components of *Essentials of Firefighting*, IFSTA 5<sup>th</sup> Edition. Reading assignments are considered to be homework and are not available online.

SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
<b>4301</b>	<b>FIRE DEPARTMENT ORIENTATION (1:45)</b>				
IFSTA Reading Assignment	Orientation, Chapter 1, IFSTA 5 <sup>th</sup> Ed.				
Optional IFSTA PPT	PPT, Orientation & Fire Service History				
	Academy Logistics	:30			
4301.1	Mission and Organization	:30			
HB 1000	Code of Conduct	:15			
4301.6	Working With California Inmate Fire Crews	:30			
<b>4302</b>	<b>STATION OPERATIONS (1:15)</b>				
4302.2	Responding to an Emergency Call	:15			
4302.9	Introduction to Radio Communication (2009)	1:00			
<b>4304</b>	<b>FIRE PHYSICS AND CHEMISTRY (3:30)</b>				
IFSTA Reading Assignment	Fire Behavior, Chapter 3, IFSTA 5 <sup>th</sup> Ed.				
IFSTA TLP, PPT, Quiz	Chapter 3, Fire Behavior, IFSTA 5 <sup>th</sup> Ed.	3:00			
4304.9	BLEVE	:30			
<b>4305</b>	<b>PERSONAL PROTECTIVE EQUIPMENT (4:45)</b>				
IFSTA Reading Assignment	Chapter 5, Firefighter Personal Protective Equipment IFSTA 5th ed.				
4305.1	PPE - Wildland	:20			
4305.2	How to Don PPE - Wildland	:15			
PEX	<b>Donning PPE - Wildland</b>	*			
4305.3	PPE - Structure	:20			
4305.3.1	How to Don PPE - Structure	:15			

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PEX	<b>Donning PPE - Structure</b>	*			
4305.4	Types and Components of Self Contained Breathing Apparatus (SCBA)	1:00			
4305.5	Procedures to Clean and Sanitize Self Contained Breathing Apparatus	:20			
4305.6	SCBA Inspection	1:00			
4305.7.4	How to Don and Remove the Firehawk MMR Self Contained Breathing Apparatus – Over the Head Method	:15			
PEX	<b>Donning and Removing the Firehawk MMR Self Contained Breathing Apparatus - Over the Head Method</b>	*			
4305.13	Safety Vests	:30			
	Safety Gear Compliance Inspection (NFPA 1851)	:30			
<b>4306</b>	<b>FIREFIGHTER SAFETY (10:50)</b>				
4306.1	CAL FIRE Safety Program	1:00			
4306.2	The 10 Standard Firefighting Orders	:30			
4306.2.1	Lookouts, Communication, Escape Routes, and Safety Zones	:45			
4306.3	18 Situations That Shout Watch Out	:30			
4306.4	Common Denominators Of Fire Fatalities	:30			
4306.5	Fireline Hazards	1:00			
4306.6	Avoiding Fire Entrapment	:45			
4306.8	Refuge, Using a vehicle as	:30			
4306.9	Fire Blankets & Curtains	:15			
4306.10	How to Use a Canister Style Fire Blanket	:15			
PEX	<b>Deploying a Canister Style Fire Blanket</b>	*			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4306.11	How to Use a One Person Side Pull Fire Curtain	:15			
PEX	<b>Using the One Person Side Pull Fire Curtain</b>	*			
4306.11.2	How to Use the One Piece Roll Down Fire Curtain	:15			
PEX	<b>Using the One Piece Roll Down Fire Curtain</b>	*			
4306.12	How to Use the Two Piece Fire Curtain	:15			
PEX	<b>Using the Two Piece Fire Curtain</b>	*			
4306.14	Using a Structure as Refuge	:30			
4306.16	New Generation Fire Shelter	1:00			
4606.16.0	Deploy New Generation Fire Shelter - Standing to Sitting Method	:15			
4306.16.1	Deploy New Generation Fire Shelter - Standing Drop Down Method	:15			
4306.16.2	Deploy New Generation Fire Shelter - Lying Down Method	: 15			
4306.17	Airtanker Retardant Drop Safety Precautions	:15			
4306.18	How to Assume the Safety Position for an Airtanker Retardant Drop	:10			
PEX	<b>Assuming the Safety Position for an Air Tanker Drop</b>	*			
4306.21	Bulldozer Safety	:30			
4306.22	Downhill Fireline Construction	:45			
4306.23	Hydration	:20			
HB 1700	Burn Treatment for CAL FIRE Employees	:20			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
<b>4307</b>	<b>HOSE (7:00)</b>				
IFSTA Reading Assignment	Chapter 13, "Fire Hose", pages 631-642				
Chapter 13, Firefighter I - Fire Hose  Chapter 13 Quiz	Section II: Fire Hose Sizes  Section III: Causes and Prevention of Fire Hose Damages  Section IV: General Care and maintenance of Fire Hose  Section V: Fire Hose Couplings  Section VI:	1:45			
4307.7	How to Make a Single Donut Hose Roll – One Person Method	:15			
4307.8	How to Make a Single Donut Hose Roll – Two Person Method	:15			
PEX	<b>Making a Single Donut Hose Roll – Two Person Method</b>	*			
4307.9	How to Make a Twin Donut Hose Roll – Two Person Method	:15			
PEX	<b>Making a Twin Donut Hose Roll – Two Person Method</b>	*			
4307.10	Out of Service Hose Roll – One Person Method	:15			
PEX	<b>Making an Out of Service Hose Roll – One Person Method</b>	*			
4307.13	How to Couple Hose – Over The Hip, One Person Method	:15			
PEX	<b>Coupling Hose – Over the Hip, One Person Method</b>	*			
4307.15	How to Couple Hose – Two Person Method	:15			
PEX	<b>Coupling Hose – Two Person Method</b>	*			
4307.18	How to Uncouple a Tight Coupling, Knee-Press Method - One Person	:15			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
PEX	<b>Uncoupling a Tight Coupling – Knee Press, One Person Method</b>	*			
4307.19	How to Uncouple a Tight Coupling, Stiff Arm Method -Two Person	:15			
PEX	<b>Uncoupling a Tight Coupling – Stiff Arm Method, Two Person</b>	*			
4307.20	How to Bed a Flat Load	:15			
PEX	<b>Bedding a Flat Load</b>	*			
4307.23	How to Bed a Triple Fold Load	:15			
PEX	<b>Bedding a Triple Fold Load</b>	*			
4307.24	How to Bed a Minuteman Load	:15			
4307.28	How to Deploy a Triple Fold Load	:15			
PEX	<b>Deploying a Triple Fold Load</b>	*			
4307.29	How to Deploy Minuteman Load	:15			
PEX	<b>Deploying a Minuteman Load</b>	*			
4307.31.0	How to Make a Progressive Hoselay – Three Person	:30			
PEX	<b>Making a Progressive Hoselay – Three Person</b>	*			
4307.31.3	How to Make a Progressive Hoselay - One Person (300')	:15			
PEX	<b>Making a Progressive Hoselay – One Person (300')</b>	*			
4307.32	Reel Lines How to Use	:15			
4307.36	Medium and Large Diameter Supply Lines	:15			
4307.38	How to Make a Forward Lay – And Advance a Preconnected Attack Line	:15			
PEX	<b>Making a Forward Lay – Supply Line</b>	*			
4307.45	How to Advance a Line Into a Structure	:15			
PEX	<b>Advancing a Line Into a Structure</b>	*			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4307.58	How to Pickup & Drain Hose, Accordion Shoulder Carry - One Person	:15			
4307.60	How to Pickup & Drain Hose, Butterfly Method - One Person	:15			
<b>4308</b>	<b>WATER SUPPLY SYSTEMS (:30)</b>				
4308.2	Hydrants Wet and Dry	:30			
<b>4309</b>	<b>HOSE APPLIANCES &amp; HOSE TOOLS (3:00)</b>				
IFSTA Reading Assignment	Chapter 13, "Fire Hose", pages 643-652  Chapter 14 "Fire Streams" pages 724-733				
IFSTA Chapter 14, Firefighter I  IFSTA Chapter 14 Quiz  IFSTA PPT, Chapter 14	Section II: Fire Stream Use  Section III: Water and Fire Streams  Section IV: Fire Stream Sizes, Types, Nozzles  Section V: Nozzle Control Valves and Inspections	2:10			
4309.2	Spanner Wrenches	:10			
4309.4	Hose Clamp, Operating a 2 1/2"	:30			
4309.5	How to Operate a 2 1/2" Hose Clamp	:10			
PEX	<b>Operating a 2 1/2" Hose Clamp</b>	*			
<b>4310</b>	<b>TOOLS &amp; EQUIPMENT (2:15)</b>				
4310.1	Road Flares	:15			
4310.2	Fusees as Firing Tools	:15			
4310.3	How to Ignite & Extinguish Road Flares & Fusees	:10			
PEX	<b>Igniting and Extinguishing Road Flares &amp; Fusees</b>	*			
4310.4	Traffic Control Devices & Signals	:15			
4310.11	Back Pump	:15			
4310.12	How to Use a Back Pump	:15			
PEX	<b>Using a Back Pump</b>	*			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4310.13	Drip Torch	:20			
4310.14	How to Use a Drip Torch	:15			
PEX	<b>Using a Drip Torch</b>	*			
4310.15	Fireline Flagging	:15			
<b>4311</b>	<b>POWER TOOLS (:30)</b>				
4311.4	Basic Chainsaw Safety Awareness	:30			
<b>4312</b>	<b>AIRCRAFT (1:30)</b>				
4312.1	Introduction to CAL FIRE Firefighting Aircraft	:45			
4312.2	Rotary Wing Aircraft	:45			
<b>4313</b>	<b>MOBILE EQUIPMENT (1:50)</b>				
4313.1	Fire Apparatus Identification	:20			
4313.3	Mobile Equipment Warning Devices	:15			
4313.4	Chock Blocks, Seat Belts, & Roll Bars	:30			
4313.5	How to Use Chock Blocks and Seat Belts	:15			
PEX	<b>Using Chock Blocks and Seat Belts</b>	*			
4313.6	Backing Hand Signals	:15			
4313.7	Backing Hand Signals; How to Use	:15			
PEX	<b>Using Backing Hand Signals</b>	*			
<b>4315</b>	<b>HANDTOOLS (2:15)</b>				
4315.2	Brush Hook	:15			
4315.3	Pulaski	:15			
4315.4	Double Bit, Single Bit, & Pick-Head Axes	:15			
4315.5	Round Point, Square Point, & Scoop Shovels	:15			
4315.6	McLeod	:15			
4315.7	Wire Broom	:15			

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SECTION	LESSON PLAN TITLE/ READING ASSIGNMENT	TIME	DATE	STUDENT INITIALS	INSTRUCTOR INITIALS
4315.8	Pike Pole & Rubbish Hooks	:15			
4315.9	Rhino Tool	:15			
4315.10	Combi Tool	:15			
<b>4317</b>	<b>PORTABLE FIRE EXTINGUISHERS (:30)</b>				
4317.2	Extinguishers, Portable Fire; Basic Operation And Safety	:30			
<b>4318</b>	<b>LADDERS (3:30)</b>				
IFSTA Reading Assignment	Chapter 10, "Ground Ladders"				
IFSTA PPT Chapter 10	IFSTA Ground Ladders Sections I -IV	1:30			
4318. 7	How to Raise & Lower the 16' Ladder	1:00			
PEX	<b>Raising &amp; Lowering the 16' Ladder</b>	*			
4318.8	Ladders; Raising & Lowering the 20' Ladder	1:00			
PEX	<b>Ladders; Raising &amp; Lowering the 20', Ladder</b>	*			
<b>4320</b>	<b>VEGETATION FIRES (4:30)</b>				
4320.1	Wildland Firefighting Terminology	:30			
4320.2	Parts of a Wildland Fire	:15			
4320.8	Wildland Fire Strategy	:15			
4320.10	Wildland Fire, Uses of Water	:45			
4320.11	Wildland Hoselay	:45			
4320.12	Mobile Attack	:30			
4320.13	How to Mobile Attack	:30			
PEX	<b>Mobile Attack</b>	*			
4320.14	Mop-Up & Patrol	:30			
4320.15	Handline Construction	:30			

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4321	STRUCTURE FIRES (5:30)				
IFSTA Reading Assignment	Chapter 11, "Ventilation", pages 543-569 Chapter 15, "Fire Control", pages 762-769 Chapter 17, "Loss Control",				
4321.2 TLP, Quiz	Structure Fire Strategies	:30			
4321.3 TLP, Quiz	Structure Fire Tactics	:30			
4321.4 TLP, Quiz	Structure Fire Safety	1:00			
4321.4.1 TLP, Quiz, SIN	Two In – Two Out Rule	:30			
4321.6	Structure Fire Search and Rescue Tactics	:30			
4321.7	Structure Fire Search and Rescue Safety Precautions	:30			
IFSTA Chapter 15, Fire Control	Section II: Suppressing Structure Fires	:20			
4321.8	Structure Fire Exposure Protection Tactics	:20			
4321.9	Structure Fire Confinement	:20			
4321.10	Structure Fire Extinguishment	:20			
IFSTA Chapter II, Ventilation	Section II: Fireground Ventilation Section III: Vertical Ventilation	:20			
IFSTA Chapter 17 Reading Assignment  Optional IFSTA PPT Chapter 11, slides 10-73 Chapter 15, slides 11-26 Chapter 17, slides 9-84	Section II: Philosophy of Loss Control Section III: Salvage Section IV: Overhaul	:20			
IFSTA 4321	IFSTA Adapted Quiz				

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<b>4323</b>	<b>BUILDING CONSTRUCTION (1:30)</b>				
IFSTA Reading Assignment	Chapter 4, "Building Construction" Pages 151-159				
IFSTA PPT Chapter 4	Building Construction and Indications of Potential Building Collapse	1:30			
<b>4327</b>	<b>SPECIAL FIRES (1:15)</b>				
4327.1	Other Fires - The Basics	1:15			
<b>4331</b>	<b>SPECIAL INCIDENTS (:30)</b>				
4331.2	Safety Precautions When Working Near Energized Electrical Equipment	:30			
<b>4334</b>	<b>WILDLAND / URBAN INTERFACE (:30)</b>				
4334.1	Introduction to Wildland / Urban Interface (2009)	:30			
	<b>FIELD EXERCISES (16:00)</b>				
	Wildland Operations Field Day <i>FE-Wildland Hoselays FE-Handline Construction FE-Mobile Pumping FE-Structure Protection</i>	8:00			
	Structure Operations Field Day <i>FE-Search and Rescue FE-Forward Lay Supply Line FE-Preconnects/Advancing Lines FE-SCBA Confidence Maze</i>	8:00			
	<b>TESTING</b>				
	Written and Manipulative Testing	6:00			
	Basic Syllabus Total Hours	80:00			

**CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
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<b>FORMAL COURSES</b>					
Title 8	Confined Space Awareness	8:00			
CAL FIRE	EEO/Sexual Harassment Prevention	4:00			
Title 22	EMS – Public Safety First Aid or Emergency Medical Responder  or Emergency Medical Technician Basic	15:00			
	• EMS - Child and Elder Abuse	1:00			
	• EMS - Communicable Disease Awareness	4:00			
	• EMS - Sudden Infant Death Syndrome	1:00			
Title 22	EMS - CPR/AED Public Safety	10:00			
CAL FIRE	Wildland Firefighter Safety & Survival Level 1	8:00			
CSTI	Haz-Mat First Responder Operational	16:00			
FEMA –EMI Online	IS-100, ICS 100.A Introduction to ICS	4:00			
NWCG	S-190, Introduction to Wildland Fire Behavior (classroom only)	6:00			
FEMA –EMI Online	IS–700.a NIMS National Response Plan	2:00			
SFT	Firefighter Survival Structure (RIC)	16:00			
NWCG online or classroom	L-180, Human Factors On The Fireline (Within 90 Days Of Hire)	4:00			
	<b>Total Hours Formal Courses</b>	<b>99:00</b>			

	<b>Total Hours CAL FIRE Basic FF</b>	<b>179:00</b>			
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