

Level Chart: Sprinkler Fitter - Technical Training

Level One (9 weeks)				Level Two (9 weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	SAFETY-RELATED FUNCTIONS	12	0	B1	ORGANIZES WORK	22	15
A2	TOOLS AND EQUIPMENT	26	15	B2	COMMISSIONS SYSTEMS	14	14
A3	ORGANIZES WORK	35	7	B3	UNDERGROUND WATER SUPPLY	7	0
A4	COMMUNICATION	14	0	B4	FIRE DEPARTMENT CONNECTIONS	15	3
A5	PIPE, TUBE AND FITTINGS (PREPARE)	21	21	B5	PIPING COMPONENTS	60	27
A6	PIPE, TUBE AND FITTINGS (INSTALLS)	17	14	B6	WATER-BASED SYSTEMS	31	14
A7	PIPING COMPONENTS	21	6	B7	DETECTION DEVICES (INSTALLS)	5	3
A8	WATER BASED SYSTEMS (includes signal-initiating devices installation)	49	29	B8	SIGNAL-INITIATING DEVICES (INSTALLS)	28	17
A9	MATHEMATICS I	14	0	B9	MATHEMATICS II	25	0
A10	SCIENCE I	14	0	B10	SCIENCE II	15	0
Subtotals		223	92	Subtotals		222	93
Total		315 hours		Total		315 hours	

Level Three (9 weeks)			
Code	Unit Title	T	P
C1	ORGANIZES WORK	10	13
C2	COMMISSIONS SYSTEM	7	14
C3	MENTORING	7	0
C4	FIRE PUMP UNITS	20	5
C5	PRIVATE WATER SUPPLY SYSTEMS	14	2
C6	WATER-BASED SYSTEMS	25	10
C7	SPECIALTY FIRE SUPPRESSION SYSTEMS	53	16
C8	DETECTION DEVICES (INSTALLS)	4	0
C9	INSPECTION, TESTING and MAINTENANCE	28	7
C10	MATHEMATICS III	20	0
C11	SCIENCE III	20	0
C12	PRE-IP REQUIREMENTS	40	0
Subtotals		248	67
Total		315 hours	

Detailed Level Chart with Subunits on next page.

Detailed Level Chart: Sprinkler Fitter - Technical Training

Level One (9 weeks)				Level Two (9 weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	SAFETY-RELATED FUNCTIONS			B1	ORGANIZES WORK		
A1a	Safety-Related Functions	7	0	B1a	Job Planning II	7	0
A1b	Learning About Work	5	0	B1b	Blueprint Reading and Sketching II	15	15
A2	TOOLS AND EQUIPMENT			B2	COMMISSIONS SYSTEMS		
A2a	Tools and Equipment	7	7	B2a	Commissioning Water Supply Systems	7	7
A2b	Access Equipment	7	0	B2b	Commissioning Fire Protection Systems	7	7
A2c	Rigging, Hoisting, and Lifting	5	3	B3	UNDERGROUND WATER SUPPLY		
A2d	Brazing, Soldering and Cutting	7	5	B3a	Underground Water Supply Awareness	7	0
A3	ORGANIZES WORK			B4	FIRE DEPARTMENT CONNECTIONS		
A3a	Introduction to Trade Related Documents	7	0	B4a	Water Supply, Hydrants and Fire Department Connections	15	3
A3b	Blueprint Reading and Sketching I	21	7	B5	PIPING COMPONENTS		
A3c	Job Planning I	7	0	B5a	System Component Valves	14	4
A4	COMMUNICATION			B5b	Pipe Design and Installation	21	13
A4a	Communication	14	0	B5c	Standard Spray Sprinkler Heads	5	2
A5	PIPE, TUBE AND FITTINGS (PREPARE)			B5d	Extended Coverage Sprinkler Heads	5	2
A5a	Plastic Pipe and Fittings Preparation	14	14	B5e	Specialty Sprinkler Heads and Nozzles	5	2
A5b	Steel Pipe and Fittings Preparation	7	7	B5f	Copper and Stainless Steel Pipe and Tubing	10	4
A6	PIPE, TUBE AND FITTINGS (INSTALLS)			B6	WATER-BASED SYSTEMS		
A6a	Plastic Pipe and Fittings Installation	7	7	B6a	Standpipe Hose Systems	7	0
A6b	Steel Pipe and Fittings Installation	10	7	B6b	Outside Exposure Systems	10	0
A7	PIPING COMPONENTS			B6c	Pre-action System Installation	7	7
A7a	Hangers, Supports and Bracing	7	3	B6d	Deluge System Installation	7	7
A7b	Automatic Sprinkler Heads	14	3	B7	DETECTION DEVICES (INSTALLS)		
A8	WATER-BASED SYSTEMS (includes signal-initiating devices installation)			B7a	Detection Devices Installations I	5	3
A8a	Dry Pipe Sprinkler Systems	14	14	B8	SIGNAL-INITIATING DEVICES (INSTALLS)		
A8b	Wet Pipe Sprinkler Systems	6	5	B8a	Electrical Principles	14	3
A8c	Antifreeze Sprinkler Systems	3	0	B8b	Installs Alarm-Initiating Devices	7	7
A8d	Detection and Signal-Initiating Devices	11	3	B8c	Installs Supervisory-Initiating Devices	7	7
A8e	Pre-action Systems	5	3	B9	MATHEMATICS II		
A8f	Deluge Systems	10	4	B9a	Mathematics II	25	0
A9	MATHEMATICS I			B10	SCIENCE II		
A9a	Mathematics I	14	0	B10a	Science II	15	0
A10	SCIENCE I						
A10a	Science I	14	0				
	Subtotals	223	92		Subtotals	222	93
	Total	315 hours			Total	315 hours	

Level Three (9 weeks)			
Code	Unit Title	T	P
C1	ORGANIZES WORK		
C1a	Blueprint Reading and Sketching III	10	13
C2	COMMISSIONS SYSTEM		
C2a	Commissioning	7	14
C3	MENTORING		
C3a	Journey person Trainer	7	0
C4	FIRE PUMP UNITS		
C4a	Fire Pumps and Controllers	20	5
C5	PRIVATE WATER SUPPLY SYSTEMS		
C5a	Private Water Supply Systems	14	2
C6	WATER-BASED SYSTEMS		
C6a	Water Spray Fixed Systems	4	4
C6b	Water Mist Systems	7	3
C6c	Foam Systems	14	3
C7	SPECIALTY FIRE SUPPRESSION SYSTEMS		
C7a	Specialty Sprinkler Systems	21	3
C7b	Portable Fire Extinguishers	7	0
C7c	Dry and Wet Chemical Extinguishing Systems	11	7
C7d	Clean Agent and Carbon Dioxide Extinguishing Systems	14	6
C8	DETECTION DEVICES (INSTALLS)		
C8a	Detection Devices Installations II	4	0
C9	INSPECTION, TESTING and MAINTENANCE		
C9a	Inspection, Testing and Maintenance	28	7
C10	MATHEMATICS III		
C10a	Mathematics III	20	0
C11	SCIENCE III		
C11a	Science III and Basic Hydraulic Calculations	20	0
C12	PRE-IP REQUIREMENTS		
C12a	Pre-IP Certification Review	40	0
	Subtotals	248	67
	Total	315 hours	

