Arizona CTE

FIRE SERVICE, 43.0200.00

EXAMINE THE ORGANIZATION AND STRUCTURE OF FIRE SERVICE FIR.1.0	**1.1** Explain fire service (e.g., history, mission, culture and organization) FIR.1.1
	1.2 Diagram an organizational chart for a fire department FIR.1.2
	1.3 Describe standard operating procedures and policies for the fire department FIR.1.3
	1.4 Describe the fire agency's interactions with other community agencies FIR.1.4
	1.5 Describe the responsibility of the risk manager/manager of public safety in a fire department FIR.1.5
	1.6 Research occupational trends, career tracks and employment opportunities in fire service FIR.1.6
	1.7 Research common firefighter injuries and fatalities FIR.1.7
	1.8 Describe safety standards related to fire service (e.g., NFPA 1500 and OSHA) FIR.1.8
	1.9 Practice appropriate safety precautions in fire stations and facilities FIR.1.9
	1.10 Practice personal safety in learning and training FIR.1.10
EXAMINE PERSONAL RESPONSIBILITY FOR HEALTH AND WELLNESS FIR.2.0	**2.1** Analyze sources of stress, including fire service related crises and identify strategies to manage stress FIR.2.1
	2.2 Evaluate health-compromising risk behaviors on the job and in personal life and identify successful prevention and intervention techniques FIR.2.2
	2.3 Describe various fire service health and wellness programs and Employee Assistance Programs (EAP) FIR.2.3
	2.4 Identify functional exercises specific for firefighters (e.g., warm-up, flexibility and core strength exercises; cardiovascular exercises; and functional training exercises) FIR.2.4
	2.5 Exhibit physical well-being through good nutrition and a personal fitness plan including exercises appropriate to firefighters FIR.2.5
	Identify components of a common physical fitness (e.g., muscular strength, muscular endurance, cardiovascular endurance, flexibility, body fat

Skip to main content

	composition) FIR.2.6
	2.7 Complete a physical ability assessment FIR.2.7
DEMONSTRATE THE PROPER USE AND MAINTENANCE OF FIREFIGHTING PERSONNEL PROTECTIVE EQUIPMENT (PPE) FIR.3.0	**3.1** Identify various protective equipment that comprises the firefighter's ensemble FIR.3.1
	3.2 Demonstrate the care of personal protective equipment FIR.3.2
	3.3 Demonstrate donning and doffing of PPE within one minute FIR.3.3
	3.4 Identify the components of a self-contained breathing apparatus (SCBA) FIR.3.4
	3.5 Describe respiratory hazards and when SCBA “shall be used" FIR.3.5
	3.6 Practice donning and doffing SCBA FIR.3.6
	3.8 Replace SCBA air cylinders FIR.3.8
EXPLAIN FIRE BEHAVIOR FIR.4.0	**3.7** Explain the principles of air management consistent with NFPA 1404 FIR.3.7
	4.1 Describe the fire triangle and fire tetrahedron FIR.4.1
	4.2 Describe transmission of heat FIR.4.2
	4.3 Explain various states of fuel FIR.4.3
	4.4 Describe the classifications of fire (e.g., A, B, C, D and K) FIR.4.4
	4.5 Explain the phases of fire growth FIR.4.5
EVALUATE BUILDING CONSTRUCTION RELATIVE TO FIRE BEHAVIOR AND STRUCTURAL PERFORMANCE FIR.5.0	**5.1** Define and use construction terminology FIR.5.1
	5.2 Identify common building materials and construction features such as door size up and locks and locking devices FIR.5.2
	5.3 Describe the principles of building construction and classification of construction methods FIR.5.3
	5.4 Contrast strengths and weaknesses of different types of construction FIR.5.4
	5.5 Identify dangerous building conditions that can lead to firefighter injury and fatality FIR.5.5
	5.6 Research a firefighter fatality (NIOSH) report where building construction was a factor FIR.5.6
EX WA	Skip to main content **Describe water supply sources including alternate and rural delivery** FIR.6.1

DEMONSTRATE FIRE STREAMS FIR.6.0	**6.2**	**Identify types of fire hydrants, markings, locations, use, inspection and maintenance** FIR.6.2
	6.3	**Identify fire hose sizes, applications, couplings and general care and maintenance** FIR.6.3
	6.4	**Recognize and demonstrate various hose loads, pre-connect hose lines and hose rolls** FIR.6.4
	6.5	**Demonstrate the operation of hose lines and associated appliances and hose tools** FIR.6.5
	6.6	**Explain the principles of fire streams (e.g., types, design, operation and nozzle pressure effects and flow capabilities) and the precautions to be followed when advancing hose lines** FIR.6.6
	6.7	**Demonstrate fire stream tactics (e.g., extinguishing properties of water, steam conversion and friction loss; opening, closing and adjusting nozzle flow and patterns; and indirect, combination and direct fire attack with fire streams)** FIR.6.7
EXAMINE FIRE GROUND FUNCTIONS FIR.7.0	**7.1**	**Describe observational practices en route and on the scene and strategies and tactics to protect and secure the scene** FIR.7.1
	7.2	**Describe various forcible entry tools, ladders and use and techniques** FIR.7.2
	7.3	**Describe conventional forcible entry through doors and windows and to breach walls** FIR.7.3
	7.4	**Describe salvage basics (e.g., covers and equipment, care and maintenance)** FIR.7.4
	7.5	**Describe overhaul procedures, including locating hidden fires and fire safety procedures** FIR.7.5
	7.6	**Explain fire ground search safety guidelines including the use of Rapid Intervention Crews (RIC) and the removal of downed firefighters** FIR.7.6
	7.7	**Explain procedures for conducting a search in a multi-story building and search and rescue marking systems** FIR.7.7
	7.8	**Demonstrate several methods of victim removal** FIR.7.8
	7.9	**Describe reasons and considerations for fire ground ventilation** FIR.7.9
	7.10	**Examine the effects of building systems on fires** FIR.7.10
	I	**Explain vertical, horizontal and forced ventilation** FIR.7.11

Skip to main content

EXAMINE INCIDENT COMMAND FIR.8.0	**8.1** Describe a fire department's risk management practices FIR.8.1
	8.2 Describe tactical priorities FIR.8.2
	8.3 Explain the three fire ground strategies FIR.8.3
	8.4 Discuss fire ground factors FIR.8.4
	8.5 Discuss rescue profiles, IRIC and RIC FIR.8.5
	8.6 Explain resource management and National Incident Management System (NIMS) concepts on the fire scene FIR.8.6
	8.7 Explain alarm room operations FIR.8.7
	8.8 Demonstrate proper radio procedures FIR.8.8
	8.9 Describe documentation and incident reporting for fire and EMS FIR.8.9
EXAMINE EMS/EXTRICATION MANAGEMENT FIR.9.0	**9.1** Demonstrate the proper use of infection control precautions (BSI/PPE standards and regulations) FIR.9.1
	9.2 Describe common infectious diseases FIR.9.2
	9.3 Describe the body systems (e.g., muscular, nervous, cardiovascular, respiratory and digestive) FIR.9.3
	9.4 Describe (obtain) a basic CPR certification FIR.9.4
	9.5 Describe (obtain) a basic First Aid certification FIR.9.5
	9.6 Describe emergency power and lighting equipment FIR.9.6
	9.7 Discuss hydraulic, pneumatic and hand extrication tools FIR.9.7
	9.8 Discuss vehicle stabilization techniques FIR.9.8
	9.9 Explain disentanglement and patient management procedures FIR.9.9
PERFORM SPECIAL OPERATIONS FIR.10.0	**10.1** Describe (complete) the Hazardous Materials First Responder course meeting requirements of NFPA 472 FIR.10.1
	10.2 Describe (complete) the Wildland S130/190 course or equivalent FIR.10.2
	10.3 Describe types of ropes, uses, construction, care and maintenance FIR.10.3
	10.4 Demonstrate tying overhand, bowline, hitches and family of eights knots and hoisting tools and equipment FIR.10.4

Skip to main content

ANALYZE COMMUNITY RISK REDUCTION FIR.11.0

11.1 Describe fire protection systems and portable fire extinguishers FIR.11.1

11.2 Demonstrate proper use of portable fire extinguishers FIR.11.2

11.3 Describe the various alarm and suppression systems and their applications FIR.11.3

11.4 Describe suppressing classes B, C and D structure fires FIR.11.4

11.5 Describe various roles and responsibilities of emergency apparatus types on emergency incidents FIR.11.5

11.6 Describe career pathways specific to community risk reduction in and outside the fire service (private and public) FIR.11.6

11.7 Explain steps taken to protect evidence, determine the cause and origin, stop property loss and secure incident scene FIR.11.7

11.8 Define NFPA 1033 and identify the roles and responsibilities of fire inspectors, education and information specialists and the 5 Es of community risk reduction (e.g., engineering, education, enforcement, economic incentives and emergency response) FIR.11.8