

Firefighting 1 (8705 - 36 weeks)

Firefighting 1 (8705/36 weeks) FF

- 1 Demonstrate creativity and innovation. FF.1
- 2 Demonstrate critical thinking and problem solving. FF.2
- 3 Demonstrate initiative and self-direction. FF.3
- 4 Demonstrate integrity. FF.4
- 5 Demonstrate work ethic. FF.5
- 6 Demonstrate conflict-resolution skills. FF.6
- 7 Demonstrate listening and speaking skills. FF.7
- 8 Demonstrate respect for diversity. FF.8
- 9 Demonstrate customer service skills. FF.9
- 10 Collaborate with team members. FF.10
- 11 Demonstrate big-picture thinking. FF.11
- 12 Demonstrate career- and life-management skills. FF.12
- 13 Demonstrate continuous learning and adaptability. FF.13
- 14 Manage time and resources. FF.14
- 15 Demonstrate information-literacy skills. FF.15
- 16 Demonstrate an understanding of information security. FF.16
- 17 Maintain working knowledge of current information-technology (IT) systems. FF.17
- 18 Demonstrate proficiency with technologies, tools, and machines common to a specific occupation. FF.18
- 19 Apply mathematical skills to job-specific tasks. FF.19

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- 20 Demonstrate professionalism.** FF.20
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- 21 Demonstrate reading and writing skills.** FF.21
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- 22 Demonstrate workplace safety.** FF.22
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- 23 Examine aspects of planning within an industry/organization.** FF.23
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- 24 Examine aspects of management within an industry/organization.** FF.24
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- 25 Examine aspects of financial responsibility within an industry/organization.** FF.25
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- 26 Examine technical and production skills required of workers within an industry/organization.** FF.26
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- 27 Examine principles of technology that underlie an industry/organization.** FF.27
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- 28 Examine labor issues related to an industry/organization.** FF.28
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- 29 Examine community issues related to an industry/organization.** FF.29
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- 30 Examine health, safety, and environmental issues related to an industry/organization.** FF.30
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- 31 Identify the purposes and goals of the student organization.** FF.31
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- 32 Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.** FF.32
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- 33 Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.** FF.33
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- 34 Identify Internet safety issues and procedures for complying with acceptable use standards.** FF.34
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- 35 Identify the types of work-based learning (WBL) opportunities.** FF.35
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- 36 Reflect on lessons learned during the WBL experience.** FF.36
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- 37 Explore career opportunities related to the WBL experience.** FF.37
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- 38 Participate in a WBL experience, when appropriate.** FF.38
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- 39 Identify common causes of death in the fire service.** FF.39
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- 40 Identify causes of back injuries and methods for preventing them.** FF.40
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- 41 Identify slip, trip, and fall injuries and methods for preventing them.** FF.41

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- 42** Outline the physical fitness standards for firefighters. FF.42
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- 43** Identify classroom safety rules and procedures. FF.43
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- 44** Define <i>risk management</i>. FF.44
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- 45** Identify the features of conducting an organized rapid escape. FF.45
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- 46** Identify procedures to follow when an entrapment occurs. FF.46
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- 47** Identify the importance of the NFPA standards to the fire service. FF.47
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- 48** Identify first-aid terms and abbreviations. FF.48
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- 49** Demonstrate techniques for controlling bleeding. FF.49
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- 50** Demonstrate methods for detecting and caring for those in shock. FF.50
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- 51** Care for those with the various classifications of burns. FF.51
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- 52** Demonstrate treatment for musculoskeletal injuries. FF.52
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- 53** Demonstrate treatment for environmental emergencies. FF.53
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- 54** Identify the types, symptoms, and treatments of poisoning. FF.54
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- 55** Demonstrate care for conscious and unconscious patients until proper care arrives. FF.55
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- 56** Assess scene safety for the rescuer and the patient. FF.56
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- 57** Demonstrate removal of a foreign body airway obstruction. FF.57
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- 58** Demonstrate one- and two-rescuer CPR. FF.58
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- 59** Operate an automated external defibrillator (AED). FF.59
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- 60** Demonstrate rescue breathing. FF.60
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- 61** Define the firefighter,Äôs function and responsibilities. FF.61
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- 62** Write a mission statement for the fire service. FF.62
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- 63** Describe the history of the fire service. FF.63
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- 64** Outline the organizational structure of the fire service. FF.64
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- 65** Describe the effects of the Civil Rights Act of 1991 and the Americans with Disabilities Act (ADA) on the employment and supervision of firefighters. FF.65
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- 66** List rules and laws that regulate the fire service. FF.66

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- 67** Identify standard operating procedures (SOPs) and standard operating guides (SOGs) in the fire service. [FF.67](#)
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- 68** Develop an organizational chart for the National Incident Management System (NIMS). [FF.68](#)
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- 69** List the allied agencies that assist with fire department operations. [FF.69](#)
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- 70** Describe employee assistance programs. [FF.70](#)
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- 71** Compare engine, truck, and rescue/squad company operations and responsibilities. [FF.71](#)
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- 72** Define *fire* and its characteristics. [FF.72](#)
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- 73** Describe the fire tetrahedron and its importance in the suppression of fire. [FF.73](#)
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- 74** Identify sources of heat energy. [FF.74](#)
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- 75** Describe the burning process, the transmission of heat, and the products of combustion. [FF.75](#)
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- 76** Explain key terms related to fire behavior. [FF.76](#)
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- 77** Identify the conditions that require the use of SCBA and full PPE. [FF.77](#)
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- 78** Identify the components of SCBA and PPE. [FF.78](#)
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- 79** Demonstrate proper use, inspection, and maintenance of SCBA and PPE. [FF.79](#)
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- 80** Demonstrate emergency procedures in the event of SCBA malfunction or failure. [FF.80](#)
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- 81** Define the relationship between PPE and national standards and regulations. [FF.81](#)
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- 82** Don and doff PPE within the recommended guidelines of the NFPA. [FF.82](#)
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- 83** Describe building construction methods and materials. [FF.83](#)
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- 84** Define the five types of building construction and their associated hazards. [FF.84](#)
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- 85** Predict a fire's growth and development according to type of building construction. [FF.85](#)
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- 86** Identify indications of potential building collapse and collapse-zone evacuation procedures. [FF.86](#)
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- 87** List procedures for citizens to report an emergency. [FF.87](#)
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88 Describe the local fire department,Âs emergency response procedures. [FF.88](#)

89 Identify methods of receiving reports. [FF.89](#)

90 Describe business and personal phone procedures. [FF.90](#)

91 Perform radio communications. [FF.91](#)

92 Identify the value of and need for protective systems to help preserve life and property. [FF.92](#)

93 Identify types, components, and valve types of sprinkler systems. [FF.93](#)

94 Halt the flow of water from an automatic sprinkler head. [FF.94](#)

95 Describe the methods used to return a sprinkler system to service. [FF.95](#)

96 Identify standpipe systems and connections. [FF.96](#)

97 Describe the value of sprinkler systems to on-the-scene firefighting. [FF.97](#)

98 Locate sprinkler connections. [FF.98](#)

99 Describe types and uses of fire streams and hoses. [FF.99](#)

100 Operate various fire streams. [FF.100](#)

101 List the fundamental components of a modern water system. [FF.101](#)

102 List causes of friction loss in water mains. [FF.102](#)

103 Compare wet-barrel and dry-barrel hydrants. [FF.103](#)

104 Operate a hydrant. [FF.104](#)

105 Describe alternative static water sources. [FF.105](#)

106 Connect a fire department pump to a water supply. [FF.106](#)

107 Describe the procedures for loading and off-loading a mobile water supply apparatus. [FF.107](#)

108 Identify techniques for rolling, repacking, and deploying hose lines. [FF.108](#)

109 Identify use and maintenance of a fire hose. [FF.109](#)

110 Describe fire-extinguishment theory. [FF.110](#)

111 Outline fire-suppression techniques and measures. [FF.111](#)

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- 112** Describe utility control and rescue operations involving electrical hazards. [FF.112](#)
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- 113** Describe the classifications of fire and their corresponding extinguishment methods. [FF.113](#)
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- 114** Identify types of foam for fire suppression. [FF.114](#)
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- 115** Demonstrate the suppression of Class A and Class B fires, using a hose line. [FF.115](#)
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- 116** Demonstrate the suppression of Class A, B, and C fires, using portable fire extinguishers. [FF.116](#)
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- 117** Identify the types and ratings of portable fire extinguishers. [FF.117](#)
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- 118** Identify the extinguishment theory for fighting wildland fires. [FF.118](#)
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- 119** Identify ladder types, parts, and safety features. [FF.119](#)
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- 120** Perform ladder carries. [FF.120](#)
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- 121** Perform ladder raises. [FF.121](#)
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- 122** Describe maintenance, cleaning, and inspection procedures for ladders. [FF.122](#)
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- 123** Differentiate between types of ropes and knots. [FF.123](#)
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- 124** Demonstrate the types of knots required for hoisting or securing. [FF.124](#)
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- 125** Describe maintenance, cleaning, and inspection functions for life-safety and utility rope. [FF.125](#)
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- 126** Identify types of forcible entry tools. [FF.126](#)
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- 127** Demonstrate methods for forcing windows and doors. [FF.127](#)
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- 128** Describe maintenance, cleaning, and inspection functions for forcible-entry tools. [FF.128](#)
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- 129** Describe methods, components, and considerations of forcible entry. [FF.129](#)
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- 130** Identify hazards associated with types of rescue situations. [FF.130](#)
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- 131** Demonstrate victim-extrication, victim-lifting, and victim-movement processes. [FF.131](#)
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- 132** Conduct primary and secondary searches in a structure. [FF.132](#)
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- 133** Describe the need for ventilation at a fire scene. [FF.133](#)
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134 Identify the types of ventilation. [FF.134](#)

135 Demonstrate methods for creating horizontal, vertical, mechanical, and hydraulic ventilation. [FF.135](#)

136 Set up portable power plants and lighting equipment. [FF.136](#)

137 Describe salvage and overhaul needs and techniques. [FF.137](#)

138 Describe the need for evidence preservation. [FF.138](#)

139 Identify methods for legally securing a building after emergency operations are complete. [FF.139](#)

140 Demonstrate use of salvage covers to protect property. [FF.140](#)

141 Describe maintenance, cleaning, and inspection functions for salvage and overhaul. [FF.141](#)

142 Identify basic HAZMAT standards and resources for handling an incident. [FF.142](#)

143 Identify hazardous materials that may be involved in terrorist attacks. [FF.143](#)

144 Describe procedures for responding to a terrorist attack. [FF.144](#)

145 Explain the programs, actions, and services that prevent the loss of life and property associated with fire and other risks to the community. [FF.145](#)

146 Deliver a fire-safety education presentation. [FF.146](#)

147 Research NFPA certification options and regional education opportunities. [FF.147](#)
