

Curriculum Crosswalk Between NFPA 1001 (2013), SC DoE CTC Fire Service-Related Objectives, IFSTA Essentials (6e), and Action Training

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
Chapter 4				
4.1				
1.				
2.				
3.				
4.2				
4.3	<p>Unit A Objective 2: Demonstrate knowledge and understanding of HIV.</p> <p>Unit A Objective 3: Demonstrate knowledge and understanding of HBV.</p> <p>Unit A Objective 4: Demonstrate knowledge and understanding of the decontamination procedures and the concept of universal precautions.</p>			
Chapter 5				
5.1				
		Chapter 23: Hazards, Behavior, and Identification of Hazardous Materials/WMD	Hazardous Materials Awareness (8 hrs. total), Hazardous Materials Operations (32 hrs. total). Worksheets 31, 32, 33	
<p>5.1.1 Knowledge</p> <p>NOTE: Most Courage to Be Safe-related objectives appear in FFI Hours 4-6.</p>	<p>Unit D Objective 1: Identify various Occupational Safety and Health Administration (OSHA) regulations as they relate to fire and EMS.</p> <p>Unit D Objective 2: Identify various National Fire Protection Association (NFPA) standards as they relate to fire.</p> <p>Unit D Objective 3: Identify various Department of Health and Environmental Control (DHEC) regulations as they relate to fire and EMS.</p> <p>Unit D Objective 4: Demonstrate knowledge of local ordinances related to fire and EMS.</p> <p>Unit J Objective 1: Demonstrate knowledge of the history, the organization, and basic types of equipment used in the fire service.</p>	<p>Chapter 1: Orientation and Fire Service History</p> <p>Chapter 2: Firefighter Safety and Health</p> <p>Chapter 21: Fire and Life Safety Initiatives</p>	<p>SCFA Chapter 1 Outline, Objectives 1-6</p> <p>FFI Hour 1: Fire service history, culture, mission, organization characteristics, fire department types, organizational principles.</p> <p>FFI Hour 2: Fire department regulations, SOPs, external organizations, South Carolina fire service-related organizations.</p> <p>FFI Hour 4: Job-related illnesses and injuries, impact of fatalities, NFPA and OSHA safety standards, risk management.</p> <p>FFI Hour 5: 16 Life Safety Initiatives, health and safety programs and issues, preventing accidents and injuries at fire stations.</p> <p>FFI Hour 6: Safety in training, scene safety, personnel accountability.</p> <p>FFI Hour 11: Purpose of PPE.</p> <p>FFI Hour 15: Care of protective clothing.</p> <p>FFI Hours 109, 110: Fire and life safety program development; components involved in fire and life safety program delivery; impact of hazards, messages, and target audiences on program development; preventing fire setters; role of FFI in enforcing fire and life safety codes.</p> <p>Student Workbook Introduction, Information Sheets 1-5, Worksheets 1, 2, 3, 5, 7, 8, 16, 34</p>	<p>1, Vol. 101, Firefighter Safety: Part 1</p> <p>2, Vol. 102, Firefighter Safety: Part 1</p> <p>8, Vol. 108, Ropes and Knots</p>

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
5.1.2 Skills		<p>Chapter 6: Firefighter Personal Protective Equipment</p> <p>Chapter 8: Ropes, Webbing, and Knots</p> <p>Skill 6-I-1, Skill 6-I-5</p> <p><i>*JB 1, 3, 10*</i></p>	<p>FFI Hours 3, 4, 5, 10, 11, 13, 14, 20: Don structural protective clothing.</p> <p>FFI Hours 3, 4, 5, 11, 12, 13, 14, 20: Doff structural protective clothing.</p> <p>FFI Hours 15, 17-18: Care of PPE.</p> <p>FFI Hours 20, 22, 23, 24, 26: Don and doff PPE/SCBA.</p> <p>FFI Hour 30: Parts of a rope and tying considerations, knot characteristics and elements.</p> <p>FFI Hours 31-32: Tie knots.</p> <p>FFI Hours 33-35: Hoist tools and equipment, hoisting safety.</p>	8, Vol. 108, Ropes and Knots
5.2				
5.2.1				
A. Knowledge		<p>Chapter 3: Fire Department Communications</p> <p><i>*JB 4*</i></p>	<p>FFI Hour 8: Information required for dispatchers.</p> <p>FFI Hour 9: Internal communications systems.</p>	19, Vol. 119, Fire Detection, Alarms and Communications
B. Skills		<p>Skill 3-I-1</p> <p><i>*JB 4*</i></p>	<p>FFI Hour 8: Handle emergency and non-emergency calls.</p> <p>FFI Hour 9: Use a portable radio for routine and emergency communications.</p> <p>Activity 1</p>	
5.2.2				
A. Knowledge		<p>Chapter 3: Fire Department Communications</p> <p><i>*JB 4*</i></p>	<p>FFI Hour 8: Information required for dispatchers.</p> <p>FFI Hour 9: Internal communications systems.</p>	19, Vol. 119, Fire Detection, Alarms and Communications
B. Skills		<p>Skill 3-I-1</p> <p><i>*JB 4*</i></p>	<p>FFI Hour 8: Handle emergency and non-emergency calls, routine and emergency calls traffic.</p> <p>Activity 1</p>	
5.2.3				
A. Knowledge	<p>Unit B Objective 1: Demonstrate knowledge of proper radio procedures.</p>	<p>Chapter 3: Fire Department Communications</p> <p><i>*JB 4*</i></p>	<p>FFI Hour 8: Information required for dispatchers.</p> <p>FFI Hour 9: Internal communications systems, radio limitations.</p> <p>Activity 2, Worksheet 6</p>	19, Vol. 119, Fire Detection, Alarms and Communications
B. Skills		<p>Skill 3-I-1, Skill 3-I-2</p> <p><i>*JB 4*</i></p>	<p>FFI Hours 9, 10: Use a radio for routine and emergency radio traffic.</p>	
5.2.4				
A. Knowledge		<p>Chapter 9: Structural Search, Victim Removal, and Firefighter Survival</p> <p><i>*JB 18*</i></p>	Worksheet 13	19, Vol. 119, Fire Detection, Alarms and Communications
B. Skills		<p>Skill 3-I-2, Skill 9-I-8</p> <p><i>*JB 18*</i></p>	<p>FFI Hours 41, 42: Transmit a MAYDAY.</p>	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
5.3				
5.3.1				
A. Knowledge		<p>Chapter 6: Firefighter Personal Protective Equipment Chapter 9: Structural Search, Victim Removal, and Firefighter Survival Skill 6-I-1, Skill 6-I-2, Skill 6-I-3, Skill 6-I-4</p> <p><i>*JB 3, 22*</i></p>	<p>FFI Hour 11: Purpose of PPE, characteristics of PPE. FFI Hour 12: Care of PPE, safety considerations of PPE. FFI Hour 13: Respiratory hazards and types of protective equipment, components of SCBA, limitations of respiratory equipment. FFI Hour 14: Precautions for refilling cylinders; safety precautions for SCBA use; non-emergency and emergency exit indicators and techniques. FFI Hour 40: FF survival methods. Worksheets 14, 15</p>	<p>4, Vol. 104, SCBA: Introduction 5, Vol. 105, SCBA: Use and Maintenance</p>
B. Skills		<p>Skill 6-I-7, Skill 6-I-8, Skill 6-I-9, Skill 6-I-10, Skill 6-I-11, Skill 9-I-9, Skill 9-I-10, Skill 9-I-11, Skill 9-I-12</p> <p><i>*JB 3, 16, 18*</i></p>	<p>FFI Hours 11, 12, 13, 22, 23, 24, 26: Don and doff PPE for use at an emergency. FFI Hours 12, 13, 14, 23, 24: Change an SCBA cylinder FFI Hours 17, 18: Refill a cylinder using a cascade system and a compressor/purifier system. FFI Hour 42: Emergency breathing procedures; withdraw from a hostile environment. FFI Hour 43: Low-profile maneuvers with and without SCBA.</p>	
5.3.2				
A. Knowledge		<p>Chapter 2: Firefighter Safety and Health Chapter 6: Firefighter Personal Protective Equipment Chapter 8: Ropes, Webbing and Knots</p> <p><i>*JB 11*</i></p>	<p>Worksheet 4 FFI Hour 11: Characteristics of PPE.</p>	<p>2, Vol. 102, Firefighter Safety: Part 2 6, Vol. 106, Personal Protective Clothing</p>
B. Skills		<p>Skill 2-I-1, Skill 6-I-1, Skill 6-I-2, Skill 6-I-3, Skill 6-I-4, Skill 6-I-5, Skill 6-I-8, Skill 6-I-8, Skill 6-I-10, Skill 6-I-11</p> <p><i>*JB 11*</i></p>	<p>FFI Hour 4, 5: Mount and dismount an apparatus. FFI Hours 11, 12, 13, 14, 20, 22, 23, 24, 26: Don and doff PPE/SCBA. FFI Hours 11, 22: Don an SCBA while seated. FFI Hours 15, 19: Inspect an SCBA. FFI Hours 17-18: Clean an SCBA.</p>	
5.3.3				
A. Knowledge	<p>Unit J Objective 8: Demonstrate knowledge of protective clothing and equipment.</p>	<p>Chapter 2: Firefighter Safety and Health Chapter 6: Firefighter Personal Protective Equipment</p> <p><i>*JB 11*</i></p>	<p>FFI Hour 6: Scene preparedness and safety. FFI Hour 7: Scene management and roadway safety. FFI Hour 11: Purpose and characteristics of PPE. FFI Hour 12: Care of PPE and clothing, safety considerations of PPE.</p>	<p>1, Vol. 101, Firefighter Safety: Part 1 2, Vol. 102, Firefighter Safety: Part 2 6, Vol. 106, Personal Protective Clothing</p>
B. Skills		<p>Skill 2-I-2, Skill 6-I-1, Skill 6-I-2, Skill 6-I-</p>	<p>FFI Hour 6, 7: Perform scene management at a roadway incident.</p>	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		3, Skill 6-I-4, Skill 6-I-5 *JB 11*	FFI Hours 2, 3, 4, 11, 12, 13, 14, 20, 22, 23, 24, 26: Don and doff PPE for use at an emergency. Activity 4	
5.3.4				
A. Knowledge		Chapter 4: Building Construction Chapter 11: Forcible Entry *JB 12*	FFI Hour 6: Tool and equipment safety. FFI Hour 19: Impact of building materials on safety. FFI Hour 20: Construction of building components. FFI Hour 48: Basic principles of forcible entry; construction of locksets; considerations when using forcible entry tools. FFI Hour 49: Considerations when forcing doors and locks. FFI Hour 53: Considerations when forcing windows and covers. FFI Hour 54: Methods for breaching walls and floors. Worksheets 9, 17, 18	18, Vol. 118, Forcible Entry
B. Skills		Skill 11-I-3, Skill 11-I-4, Skill 11-I-5, Skill 11-I-6, Skill 11-I-7, Skill 11-I-8, Skill 11-I-9, Skill 11-I-10, Skill 11-I-11, Skill 11-I-12, Skill 11-I-13, Skill 11-I-14, Skill 11-I-15, Skill 11-I-16, Skill 11-I-17, Skill 11-I-18, Skill 11-I-19, Skill 11-I-20, Skill 11-I-21, Skill 11-I-22 *JB 12*	FFI Hours 49, 50: Force an inward-swinging door, force an outward-swinging door. FFI Hour 51: Force through the lock. FFI Hour 52: Force a padlock. FFI Hour 53: Force entry through a window.	
5.3.5				
A. Knowledge		Chapter 3: Fire Department Communications Chapter 9: Structural Search, Victim Removal, and Firefighter Safety *JB 18*	FFI Hour 6: Personnel accountability. FFI Hour 39: Describe victim removal methods.	2, Vol. 102, Firefighter Safety: Part 2
B. Skills		Skill 9-I-8, Skill 9-I-9, Skill 9-I-10, Skill 9-I-11, Skill 9-I-12, Skill 9-I-13, Skill 9-I-14 *JB 18*	FFI Hours 41, 42: Transmit a MAYDAY. FFI Hour 42: Emergency breathing procedures; withdraw from a hostile environment. FFI Hour 43: Low-profile maneuvers with and without SCBA. FFI Hour 44: Disentangle from debris.	
5.3.6				
A. Knowledge	Unit J Objective 5: Demonstrate knowledge of the use of ground ladders.	Chapter 12: Ground Ladders *JB 13*	FFI Hour 56: Construction and parts of a ladder, types of ladders, considerations when using a ladder. FFI Hour 57: Methods to secure ladders.	10, Vol. 110, Ladders 1 11, Vol. 111, Ladders 2

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
			FFI Hour 61: Ladder climbing considerations. Worksheets 19, 20	
B. Skills		Skill 11-I-22 Skill 12-I-2, Skill 12-I-3, Skill 12-I-4, Skill 12-I-5, Skill 12-I-6, Skill 12-I-7, Skill 12-I-8, Skill 12-I-9, Skill 12-I-10, Skill 12-I-11 <i>*JB 13*</i>	FFI Hour 57: One-firefighter ladder raise. FFI Hour 58: Two-firefighter carry and flat raise, two-firefighter carry and beam raise.	
5.3.7				
A. Knowledge	Unit J Objective 7: Demonstrate knowledge of fire streams.	Chapter 17: Fire Control <i>*JB 22, 26*</i>		9, Vol. 109, Fire Control 1
B. Skills		Skill 16-I-1, Skill 16-I-2, Skill 16-I-3, Skill 17-I-8 <i>*JB 22*</i>	FFI Hour 98: Suppress a vehicle fire.	
5.3.8				
A. Knowledge		Chapter 15: Fire Hose Chapter 17: Fire Control Chapter 18: Loss Control Chapter 19: Fire Origin and Cause Determination <i>*JB 22, 38*</i>	FFI Hour 75: Hose characteristics. FFI Hour 76: Various uses for hose appliances and tools. FFI Hour 77: Explain the methods used for supply hose lays, different methods for handling hoselines, methods for advancing hoselines in various ways. FFI Hour 92: Factors and considerations when suppressing structure fires. FFI Hour 95: Situations and hazards with suppressing Class C fires; actions associated with suppressing Class D fires. FFI Hour 97: Methods for suppressing fires in piled materials, unattached structures, and trash containers. FFI Hour 107: Signs of the area of origin; relationship between fire cause classifications and cause determination; preserving evidence. Worksheet 27	9, Vol. 109, Fire Control 1 10, Vol. 110, Ladders 1
B. Skills		Skill 17-I-1, Skill 17-I-2, Skill 17-I-5, Skill 17-I-7, Skill 17-I-9, Skill 17-I-10, Skill 17-I-11 Skill 18-I-12 <i>*JB 22, 38*</i>	FFI Hour 93: Perform direct, indirect, and combination attacks and gas cooling techniques. FFI Hour 94: Perform safety procedures for upper level and below ground structure fires. FFI Hour 96: Connect hoseline to a FDC; operate a sprinkler system control valve; stop the flow from a sprinkler head. FFI Hour 97: Deploy and operate master stream devices.	
5.3.9				
A. Knowledge		Chapter 9: Structural Search,	FFI Hour 37: Impact of building construction and floor plans	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		Victim Removal and Firefighter Survival Chapter 11: Forcible Entry Chapter 12: Ground Ladders <i>*JB 14*</i>	on search techniques; size up during searches; safety guidelines for searches; primary and secondary search techniques. FFI Hour 39: Describe victim removal methods. FFI Hour 40: FF survival methods, actions of RIC/RIT. FFI Hour 43: Low-profile maneuvers with and without SCBA. FFI Hour 44: Disentangle from debris.	
B. Skills		Skill 9-I-1, Skill 9-I-2, Skill 9-I-3, Skill 9-I-4, Skill 9-I-5, Skill 9-I-6, Skill 9-I-7, Skill 9-I-8, Skill 9-I-9, Skill 9-I-10, Skill 9-I-11, Skill 9-I-12, Skill 9-I-13, Skill 9-I-14 Skill 12-I-18, Skill 12-I-19 <i>*JB 14, 18*</i>	FFI Hours 37, 38: Perform primary and secondary search. FFI Hour 39: Perform a webbing drag. FFI Hour 40: Lifts/carries. FFI Hours 41, 42: Transmit a MAYDAY. FFI Hour 42: Emergency breathing procedures; withdraw from a hostile environment. FFI Hour 62: Assist a conscious victim down a ladder; assist an unconscious victim down a ladder.	
5.3.10				
A. Knowledge		Chapter 4: Building Construction Chapter 5: Fire Behavior Chapter 15: Fire Hose Chapter 16: Fire Streams Chapter 17: Fire Control Chapter 18: Loss Control <i>*JB 6, 17, 22*</i>	FFI Hour 19: Impact of building materials on safety. FFI Hour 20: Construction of building components. FFI Hour 22: Physical states of fuel. FFI Hour 75: Hose characteristics. FFI Hour 76: Various uses for hose appliances and tools. FFI Hour 77: Explain the methods used for supply hose lays, different methods for handling hoselines, methods for advancing hoselines in various ways, considerations that can impact operating attack hoselines. FFI Hour 87: Vaporization and steam; factors that create pressure loss or gain; impact of water hammer on fire streams. FFI Hour 88: Fire stream patterns and their possible limiting factors; types of fire stream nozzles; nozzle control valves; operating and maintaining handline nozzles. FFI Hour 92: Factors and considerations when suppressing structure fires. FFI Hour 95: Situations and hazards with suppressing Class C fires; actions associated with suppressing Class D fires. Worksheet 28	3, Vol. 103, Fire Behavior 9, Vol. 109, Fire Control 1 10, Vol. 110, Ladders 1 11, Vol. 111, Ladders 2 15, Vol. 115, Handling Hose 16, Vol. 116, Advancing Hoselines 17, Vol. 117, Fire Streams
B. Skills		Skill 15-I-1, Skill 15-I-14, Skill 15-I-15, Skill 15-I-16, Skill 15-I-17, Skill 15-I-18, Skill 15-I-19, Skill 15-I-20, Skill 15-I-21, Skill 15-I-22, Skill 15-I-23, Skill 15-I-24,	FFI Hour 79: Advance a hose load; advance an uncharged hoseline using the working lone drag method. FFI Hour 80: Advance a line into a structure; advance a line up and down an interior stairway. FFI Hour 82: Connect a stairway standpipe connection and advance an attack hoseline onto a floor; advance an uncharged line up a ladder and into a window. FFI Hour 83: Advance a charged line up a ladder into a	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		Skill 15-I-26, Skill 15-I-27 Skill 16-I-1, Skill 16-I-2, Skill 16-I-3 Skill 17-I-1, Skill 17-I-2, Skill 17-I-3, Skill 17-I-4, Skill 17-I-5 <i>*JB 6, 17, 22*</i>	window; operate a charged attack line from a ladder. FFI Hour 84: Operate a large hoseline for exposure protection (one-firefighter method). FFI Hour 85: Extend a hoseline; replace a burst hoseline. FFI Hour 87: Operate and maintain a flat hose load. FFI Hour 88: Operate and maintain an accordion hose load. FFI Hour 89: Operate and maintain a pre-connected flat hose load; triple-layer hose load. FFI Hour 93: Direct, indirect, and combination attacks and gas cooling techniques. FFI Hour 94: Safety procedures for upper level and below ground structure fires. FFI Hour 96: Connect hoseline to a FDC; operate a sprinkler system control valve; stop the flow from a sprinkler head. FFI Hour 106: Locate and extinguish hidden fires. Worksheets 25, 26	
5.3.11				
A. Knowledge	Unit J Objective 10: Demonstrate knowledge of fire behavior.	Chapter 12: Ground Ladders Chapter 13: Tactical Ventilation Chapter 5: Fire Behavior <i>*JB 6, 15*</i>	FFI Hour 22: Fire science. FFI Hour 23: Relationship between oxygen and life safety; self-sustained chemical reactions; factors that affect fire behavior; stages of fire development. FFI Hour 24: Rapid fire development; effects of fire fighting operations on fire behavior. FFI Hour 65: Reasons for tactical ventilation; considerations when performing ventilation; fire behavior indicators during ventilation. FFI Hour 66: Define horizontal and vertical ventilation; means for achieving horizontal and vertical ventilation; types of horizontal and vertical ventilation; other types of ventilation.	3, Vol. 103, Fire Behavior 12, Vol. 112, Ventilation Basics and Horizontal Procedures
B. Skills		Skill 11-I-13, Skill 11-I-14, Skill 11-I-15, Skill 12-I-2, Skill 12-I-3, Skill 12-I-4, Skill 12-I-5, Skill 12-I-6 <i>*JB 15*</i>	FFI Hour 57: One-firefighter ladder raise. FFI Hour 58: Two-firefighter carry and flat raise, two-firefighter carry and beam raise. FFI Hour 59, 60: Deploy a roof ladder, move and place a ground ladder, pivot a ladder, ladder shift. FFI Hour 61: Leg lock on a ladder. FFI Hour 65: Perform positive pressure ventilation. FFI Hour 66: Ventilate using a power saw.	
5.3.12				
A. Knowledge		Chapter 4: Building Construction Chapter 5: Fire Behavior Chapter 12: Ground Ladders Chapter 13: Tactical Ventilation	FFI Hour 19: Impact of building materials on safety. FFI Hour 20: Construction of building components. FFI Hour 22: Impact of thermal energy. FFI Hour 24: Effects of fire fighting operations on fire behavior. FFI Hour 65: Considerations when performing ventilation. FFI Hour 66: Means for achieving horizontal and vertical	12, Vol. 112, Ventilation Basics and Horizontal Procedures 13, Vol. 113, Vertical Ventilation

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		JB 6, 7, 15	ventilation; types of horizontal and vertical ventilation; other types of ventilation.	
B. Skills		Skill 12-I-12, Skill 12-I-13, Skill 12-I-14, Skill 12-I-15, Skill 12-I-16, Skill 12-I-17 Skill 13-I-1, Skill 13-I-2, Skill 13-I-3, Skill 13-I-4, Skill 13-I-5, Skill 13-I-6, Skill 13-I-7, Skill 13-I-8, Skill 13-I-9, Skill 13-I-10 *JB 15*	FFI Hour 57: One-firefighter ladder raise. FFI Hour 58: Two-firefighter carry and flat raise, two-firefighter carry and beam raise. FFI Hour 59, 60: Deploy a roof ladder, move and place a ground ladder, pivot a ladder, ladder shift. FFI Hour 61: Leg lock on a ladder. FFI Hour 65: Perform positive pressure ventilation. FFI Hour 66: Ventilate using a power saw. FFI Hours 68, 69: Ventilation skills.	
5.3.13				
A. Knowledge		Chapter 17: Fire Control Chapter 18: Loss Control Chapter 19: Fire Origin and Cause Determination *JB 17, 19, 38*	FFI Hour 103: Methods used to maintain safety during overhaul; factors that influence locating hidden fires; ways a thermal imager can be used during overhaul. FFI Hour 107: Relationship between fire cause classifications and cause determination; signs of arson.	22, Vol. 122, Property Conservation: Overhaul
B. Skills		Skill 17-I-1, Skill 17-I-2 *JB 38*	FFI Hour 93: Direct, indirect, and combination attacks and gas cooling techniques. FFI Hour 94: Safety procedures for upper level and below ground structure fires. FFI Hour 106: Locate and extinguish hidden fires.	
5.3.14				
A. Knowledge		Chapter 11: Forcible Entry Chapter 17: Fire Control Chapter 18: Loss Control Chapter 19: Fire Origin and Cause Determination *JB 12, 19, 37*	FFI Hour 48: Basic principles of forcible entry; construction of locksets; considerations when using forcible entry tools. FFI Hour 49: Considerations when forcing doors and locks. FFI Hour 53: Considerations when forcing windows and covers. FFI Hour 54: Methods for breaching walls and floors. FFI Hour 101: Philosophy of loss control; ways pre-incident planning impacts loss control; appropriate salvage procedures; types of salvage covers. FFI Hour 103: Ways to cover openings during salvage operations. FFI Hour 107: Signs of the area of origin; preserving evidence. Worksheet 29	21, Vol. 121, Property Conservation: Salvage 23, Vol. 123, Sprinkler Systems
B. Skills		Skill 17-I-5, 17-I-6 Skill 18-I-1, Skill 18-I-2, Skill 18-I-3, Skill 18-I-4, Skill 18-I-5, Skill 18-I-6, Skill 18-I-7, Skill 18-I-8, Skill 18-I-9, Skill 18-I-10, Skill	FFI Hours 49, 50: Force an inward-swinging door, force outward-swinging door. FFI Hour 51: Force through the lock. FFI Hour 52: Force a padlock. FFI Hour 53: Force entry through a window. FFI Hour 96: Connect hoseline to a FDC; operate a sprinkler	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		18-I-11 <i>*JB 19*</i>	system control valve; stop the flow from a sprinkler head. FFI Hour 101: Clean, inspect, and repair a salvage cover; roll a salvage cover. FFI Hour 102: Spread a rolled salvage cover; fold a salvage cover for a one-firefighter spread. FFI Hour 103: Spread a folded salvage cover—one-firefighter method; fold a salvage cover for a two-firefighter spread; spread a folded salvage cover—two-firefighter balloon throw. FFI Hour 104: Construct a water chute without pike poles; construct a water chute with pike poles. FFI Hour 105: Construct a catchall; make a chute and attach it to a catchall.	
5.3.15				
A. Knowledge	Unit J Objective 9: Demonstrate knowledge of pump operations.	Chapter 14: Water Supply Chapter 15: Fire Hose Chapter 17: Fire Control <i>*JB 16*</i>	FFI Hour 71: Ways water supply systems are used; types of hydrants; hydrant operation and inspection considerations. FFI Hour 72: Water supply sources and methods of access.	15, Vol. 115, Handling Hose
B. Skills		Skill 14-I-1, Skill 14-I-2, Skill 14-I-3, Skill 14-I-4, Skill 15-I-15, Skill 15-I-25, Skill 17-I-3 <i>*JB 16, 17*</i>	FFI Hour 71: Operate a hydrant; make a soft-sleeve hydrant connection. FFI Hour 72: Perform a hard-suction hose connection for drafting. FFI Hour 73: Deploy a portable water tank. FFI Hour 84: Operate a large hoseline (two-firefighter method). FFI Hour 96: Connect hoseline to a FDC.	
5.3.16				
A. Knowledge	Unit J Objective 2: Demonstrate knowledge of portable fire extinguishers.	Chapter 7: Portable Fire Extinguishers <i>*JB 8*</i>	FFI Hour 26: Extinguisher classifications, types of extinguishers. FFI Hour 27: Extinguisher rating system, extinguisher selection criteria, extinguisher care and maintenance.	7, Vol. 107, Portable Extinguishers
B. Skills		Skill 7-I-1, Skill 7-I-2, Skill 7-I-3 <i>*JB 8*</i>	FFI Hour 26, 27: Operate a pressured-water extinguisher. FFI Hour 27: Operate dry chemical and carbon dioxide extinguishers. Worksheet 10	
5.3.17				
A. Knowledge		Chapter 10: Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue <i>*JB 19*</i>	FFI Hour 46: Identify lighting equipment.	20, Vol. 120, Lighting and Power Sources
B. Skills		Chapter 10: Scene Lighting, Rescue Tools, Vehicle	FFI Hours 47, 48: Inspect and maintain power tools and equipment.	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		Extrication, and Technical Rescue <i>*JB 19*</i>		
5.3.18				
A. Knowledge		Chapter 17: Fire Control <i>*JB 11, 22*</i>		2, Vol. 102, Firefighter Safety: Part 2
B. Skills		Skill 17-I-3 <i>*JB 11, 22*</i>	FFI Hour 95: Turn off and/or control building utilities.	
5.3.19				
A. Knowledge		Chapter 17: Fire Control <i>*JB 21*</i>	FFI Hour 99: Types and influences on ground cover fires; safety principles and practices when fighting ground cover fires.	9, Vol. 109, Fire Control 1
B. Skills		Skill 17-I-12 <i>*JB 21*</i>		
5.3.20				
A. Knowledge		Chapter 8: Ropes, Webbing and Knots <i>*JB 10*</i>	FFI Hour 30: Describe webbing construction, parts of a rope and tying considerations, knot characteristics and elements. FFI Hour 33: Select rope hardware, summarize hoisting safety considerations. Worksheets 11, 12	
B. Skills		Skill 8-I-2, Skill 8-I-3, Skill 8-I-4, Skill 8-I-5, Skill 8-I-6, Skill 8-I-7, Skill 8-I-8, Skill 8-I-9, Skill 8-I-10, Skill 8-I-11, Skill 8-I-12, Skill 8-I-13, Skill 8-I-14, Skill 8-I-15, Skill 8-I-16, Skill 8-I-17, Skill 8-I-18 <i>*JB 10*</i>	FFI Hours 31, 32: Tie knots. FFI Hours 33-35: Hoist tools and equipment.	
5.4				
5.5				
5.5.1				
A. Knowledge		Chapter 6: Firefighter Personal Protective Equipment Chapter 7: Portable Fire Extinguishers Chapter 8: Ropes, Webbing and Knots Chapter 11: Forcible Entry Chapter 18: Loss Control	FFI Hour 12: Care of protective clothing and PPE. FFI Hours 15, 17-18: Inspect an SCBA, clean an SCBA. FFI Hour 14: Safety precautions for refilling SCBA cylinders. FFI Hour 27: Extinguisher care and maintenance. FFI Hour 30: Rope maintenance; rope inspections. FFI Hour 56: Maintain a ladder.	5, Vol. 105, SCBA Use and Maintenance 8, Vol. 108, Ropes and Knots 10, Vol. 110, Ladders 1

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
B. Skills		Skill 6-I-5, Skill 6-I-6, Skill 6-I-7, Skill 8-I-1, Skill 11-I-1, Skill 11-I-2, Skill 12-I-1 Skill 18-I-1 *JB 9, 10*	FFI Hour 12: Care for protective clothing. FFI Hour 14, 15, 17-18, 19: Clean and inspect SCBA. FFI Hour 30: Inspect and clean rope. FFI Hour 48: Inspect hand tools and equipment.	
5.5.2				
A. Knowledge	Unit J Objective 6: Demonstrate knowledge of fire hose.	Chapter 15: Fire Hose *JB 16, 17*	FFI Hour 75: Causes and prevention of hose damage; inspection and care of fire hose. FFI Hour 76: Basic hose rolls; basic hose loads and finishes. FFI Hour 77: Pre-connected hose loads for attack lines. Worksheets 21, 22, 23, 24	15, Vol. 115, Handling Hose
B. Skills		Skill 15-I-2, Skill 15-I-3, Skill 15-I-4, Skill 15-I-5, Skill 15-I-6, Skill 15-I-7, Skill 15-I-8, Skill 15-I-9, Skill 15-I-10, Skill 15-I-11, Skill 15-I-12, Skill 15-I-13 *JB 16, 17*	FFI Hour 75: Inspect and maintain a fire hose; straight hose roll; donut hose roll. FFI Hours 76, 78: Flat hose load; accordion hose load. FFI Hours 77, 78: Pre-connected flat hose load; triple-layer hose load. FFI Hour 81: Hydrant connection from a forward hose lay; reverse hose lay from a pumper.	
Chapter 6: Fire Fighter II				
6.1				
6.1.1 Knowledge	Unit F Objective 1: Identify five major components of the ICs. Unit F Objective 2: Identify the responsibilities of each division commander. Unit F Objective 3: State the span of control.	Chapter 1: Orientation and Fire Service History Chapter 17: Fire Control *JB 1, 5*	FFI Hour 1: Fire service organizational principles. FFII Hour 33: Considerations taken when coordinating fireground operations; process of establishing and transferring command.	
6.1.2 Skills		Skill 17-11-1 *JB 5*	FFII Hour 33: Considerations taken when coordinating fireground operations; process of establishing and transferring command. FFII Hours 38-43: Command, control, and coordinate a structure fire.	
6.2				
6.2.1				
A. Knowledge		Chapter 3: Fire Department Communications *JB 4*	FFII Hour 1: Types of information gathered by post-incident reports.	
B. Skills	Unit B Objective 2: Demonstrate ability to write an incident report. Unit E Objective 1: Demonstrate	Skill 3-II-1 *JB 4*	FFII Hour 1: Create an incident report.	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
	fundamental computer skills.		Information Sheet 5, Activity 3	
6.2.2				
A. Knowledge		Chapter 3: Fire Department Communications <i>*JB 4*</i>	FFII Hour 1: Components of on-scene communications.	
B. Skills		Chapter 3: Fire Department Communications <i>*JB 4*</i>		
6.3				
6.3.1				
A. Knowledge		Chapter 16: Fire Streams Chapter 17: Fire Control <i>*JB 17*</i>	FFII Hour 23: Methods by which foam prevents or controls a hazard; foam concentrates and factors that impact selection; foam proportioning methods; advantages and disadvantages of foam proportioners, delivery devices, and generating systems; causes of poor foam production. FFII Hour 34: Safety precautions at flammable/combustible liquid fire incidents; ways to control Class B fires.	9, Vol. 109, Fire Control 1 2 (FFII), Vol. 205, Fire Control 2 6 (FFII), Vol. 206 Foam Fire Streams
B. Skills		Skill 16-II-1, Skill 16-II-2 <i>*JB 17*</i>	FFII Hours 24-31: Perform various foam application techniques; extinguish a flammable liquid fire.	
6.3.2				
A. Knowledge		Chapter 4: Building Construction Chapter 9: Structural Search, Victim Removal, and Firefighter Survival Chapter 16: Fire Streams Chapter 17: Fire Control <i>*JB 15, 22*</i>	FFII Hour 3: Hazards related to a building's construction; factors that influence the potential of a structural collapse. FFII Hour 33: Considerations taken when coordinating fireground operations; process of establishing and transferring command; hazards that may be present at fires in underground spaces. FFII Hour 34: Methods used when coordinating operations at a property protected by a fire suppression system. Worksheet 13	1 (FFII), Vol. 201, Building Construction 3 (FFII), Vol. 203, Advanced Ventilation 5 (FFII), Vol. 205, Fire Control 2 7 (FFII), Vol. 207, Fire Hose Appliances
B. Skills		Chapter 5: Fire Behavior Chapter 11: Forcible Entry Chapter 17: Fire Control <i>*JB 15, 22*</i>	FFII Hours 24-31: Perform various foam application techniques; extinguish a flammable liquid fire. FFII Hours 38-43: Command, control, and coordinate a structure fire.	
6.3.3				
A. Knowledge		Chapter 17: Fire Control <i>*JB 22*</i>	FFII Hour 34: Safety precautions at flammable/combustible liquid fire incidents.	5 (FFII), Vol. 205, Fire Control 2
B. Skills		Skill 17-II-2 <i>*JB 22*</i>	FFII Hours 38-43: Suppress bulk transport vehicle fires and flammable gas incidents.	
6.3.4				

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
A. Knowledge		<p>Chapter 19: Fire Origin and Cause Determination</p> <p><i>*JB 38*</i></p>	<p>FFII Hour 36: Evidence indicating the area of origin or fire cause; roles and responsibilities of responders and investigators involved in fire investigations; legal implications of the location and collection of evidence during a fire investigation.</p>	8 (FFII), Vol. 208, Fire Origin and Cause
B. Skills		<p>Skill 19-II-1</p> <p><i>*JB 38*</i></p>	<p>FFII Hour 36: Protect evidence of fire cause and origin.</p>	
6.4				
6.4.1				
A. Knowledge		<p>Chapter 10: Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue</p> <p><i>*JB 26*</i></p>	<p>FFII Hour 5: The role of a fire department during vehicle extrication; define terms; identify organizations relevant to extrication operations; responsibilities of the rescue organization and personnel; facts about hazard and risk assessment surveys.</p> <p>FFII Hour 6: Safety considerations during extrication; standards relating to managing an extrication incident; the importance of training; early stages of an emergency extrication response; duties of outside agencies; Incident Command/Management as it relates to extrication operations.</p> <p>FFII Hour 7: Vehicle classifications; vehicle anatomy; vehicle frames; restraint and roll-over protection systems; materials used in vehicle windows; fuels and fuel systems; exhaust systems; powertrain systems; vehicle science concepts.</p> <p>FFII Hour 8: Types, uses, and limitations of rescue tools and equipment; precautions against blood borne pathogens.</p> <p>FFII Hour 10: Use and types of cribbing material; methods for gaining access to victims; classes of cars and trucks; safety features and concerns relating to passenger vehicles; size-up concerns; extrication tactics.</p>	2 (FFII), Vol. 202, Rescue Operations
B. Skills		<p>Skill 10-II-2, Skill 10-II-3, Skill 10-II-4, Skill 10-II-5, Skill 10-II-6, Skill 10-II-7, Skill 10-II-8, Skill 10-II-9, Skill 10-II-10, Skill 10-II-11</p> <p><i>*JB 26*</i></p>	<p>FFII Hour 12: Use stabilization equipment for stabilizing an upright vehicle prior to extrication.</p> <p>FFII Hours 13-20: Prevent horizontal movement using wheel chocks; stabilize a vehicle using cribbing, lifting jacks, ropes and webbing; buttress tension system; remove a windshield, side window glass, passenger vehicle door, roof; displace the steering wheel and dashboard.</p>	
6.4.2				
A. Knowledge		<p>Chapter 10: Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue</p>	<p>FFII Hour 5: Hazard and risk assessment surveys; role of personnel responding to an extrication incident.</p> <p>FFII Hour 6: Safety considerations during extrication; duties of personnel.</p> <p>FFII Hour 8: Types, uses, and limitations of rescue tools and</p>	2 (FFII), Vol. 202, Rescue Operations

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		JB 9, 27	equipment; PPE; precautions against blood borne pathogens; types of rescue vehicles, equipment, and accessories; types and functions of tools and equipment. FFII Hour 9: Types of control zones established during extrication; procedures for stabilizing vehicles; methods for lifting vehicles; methods for displacing a vehicle roof, removing a steering column; displacing a dashboard. Information sheet 6	
B. Skills		Chapter 10: Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue Chapter 11: Forcible Entry *JB 9, 27*	FFII Hour 11: Describe the basic functions and purposes of hand and power tools used for passenger vehicle extrication.	
6.5				
6.5.1				
A. Knowledge	Unit J Objective 3: Demonstrate knowledge of fire prevention. Unit J Objective 4: Demonstrate knowledge of the importance of public relations in the fire service.	Chapter 21: Fire and Life Safety Initiatives *JB 23, 36*	FFII Hour 46: Role of the FFII in planning for and conducting private dwelling fire safety surveys. Worksheet 30	2 (FFII), Vol. 209, Pre-Incident and Fire Safety Surveys 2 (FFII), Vol. 210, Fire Prevention and Public Education
B. Skills		Skill 21-II-1, Skill 21-II-2, Skill 21-II-3, Skill 21-II-4 *JB 36*	FFII Hour 46: Conduct a fire safety survey. FFII Hours 47-48: Develop and give a fire and life safety presentation. FFII Hour 49: Conduct a fire station tour.	
6.5.2				
A. Knowledge	Unit J Objective 4: Demonstrate knowledge of the importance of public relations in the fire service.	Chapter 21: Fire and Life Safety Initiatives *JB 36*	FFII Hour 46: Components and audience considerations when developing and giving a fire and life safety presentation.	2 (FFII), Vol. 210, Fire Prevention and Public Education
B. Skills		Skill 21-II-2, Skill 21-II-2, Skill 21-II-3 *JB 36*	FFII Hour 46: Conduct a fire safety survey in an occupied structure. FFII Hours 47-48: Develop and give a fire and life safety presentation. FFII Hour 49: Conduct a fire station tour.	
6.5.3				
A. Knowledge		Chapter 20: Fire Protection Systems (NOTE: This chapter addresses FFII only.) Chapter 21: Fire and Life Safety Initiatives *JB 23, 37*	FFII Hour 44: Describe alarm systems; alarm initiating devices; how automatic sprinkler systems work; standpipe and hose systems.	2 (FFII), Vol. 204, Water Supply 2 (FFII), Vol. 209, Pre-Incident and Fire Safety Surveys
B. Skills		Skill 21-II-4	FFII Hour 46: Prepare a pre-incident planning survey.	

NFPA 1001 (2013)	SC DoE Emergency and Fire Mgmt Svcs Objectives	Location in the IFSTA Manual (*JB* Manual x Ref)	Location in the New SC Curriculum Outline	Action Training Module
		JB 23		
6.5.4				
A. Knowledge		Chapter 10: Scene Lighting, Rescue Tools, Vehicle Extrication, and Technical Rescue *JB 9, 19*	FFII Hour 8: Types, uses, and limitations of rescue tools and equipment.	20, Vol. 120, Lighting and Power Sources
B. Skills		Skill 10-II-1 *JB 9, 19*	FFII Hours 5, 6: Procedures for maintaining generators and lighting equipment.	
6.5.5				
A. Knowledge		Chapter 15: Fire Hose *JB 16*	FFII Hour 22: Safety considerations when service testing a fire hose.	
B. Skills		Skill 15-II-1 *JB 16*	FFII Hours 24-31: Service test fire hose.	
NFPA: HM/WMD		Hazmat Awareness, Hazmat Operations prerequisites *HMA: JB 28, 29, 30, 31, 32* *HMO: JB 28, 30 *WMD: JB 29, 30, 31, 32, 33*	Worksheets 31, 32, 33 See SCFA's HMA, HMO	