

NFA APPROVED COURSES

The following courses are approved by the U.S. Fire Administration's National Fire Academy. Approval indicates that, at the time NFA conducted its review of the proposed product, the general design of the course satisfied the standards of quality established by NFA in the approval agreement. Responsibility for the scope and content of the course and the appropriateness of the subject matter or instructional methodology to the needs of the target audience rests exclusively with the organization(s), which developed or delivered the course and the State training program delivering it. *Note: Course information has been taken verbatim, from the respective submitting agencies' course descriptions.*

Alabama Fire College & Personnel Standards Commission

Y0101 - Fire Instructor I (40 Hours) A course designed to train participants to teach a class from a prepared lesson plan. This course introduces the student to the concept of utilizing training aids to enhance his/her presentation, how to properly select these training aids and how to use the training aid selected. Subject areas for this course include: communication, concepts of learning, methods of teaching, organizing the class, performance evaluations, testing and evaluations, the lesson plan, teaching techniques, and the use of instructional materials. The student will give several presentations during the course, all leading to the final fifteen minute graded presentation on the final day of class. **Prerequisite:** High School diploma or GED. Must have three years' experience as a certified firefighter.

Y0102 - Fire Instructor II (40 Hours) Provides the Fire Instructor I with the next level of understanding for the training of personnel. This course is designed to train the participants to perform job and task analysis, develop goals and objectives, and develop a lesson plan along with the coordinating training aids and student test and evaluation. During the course the students are divided into groups, each of which is responsible for the development of a lesson plan to be presented to the class on the final day. **Prerequisite:** Fire Instructor I.

Y0201 - Fire Officer I (40 Hours) The Fire Officer I curriculum identifies the performance requirements necessary to perform the duties of a first line supervisor. This course introduces the student to the basic concepts of management and supervision by concentration on such topics as organizational structure, communication skills, human resource management, public relations, planning, emergency service delivery, and safety. **Prerequisite:** Firefighter II.

Y0202 - Fire Officer II (40 Hours) A course designed for the fire officer who is ready to assume more of a leadership role by moving into the middle management level of his/her department. This course consists of subjects designed to give the officer more knowledge of management and supervision so that he/she can make basic evaluations of employee relations and assume a more proactive role in their department. This course expands on the knowledge base attained in Fire Officer I by revisiting some of the same subjects and adding additional material. Some new subject areas include information management, government structure, and department budget planning and management. **Prerequisites:** Firefighter I and Instructor.

Y0552 - Public Fire & Life Safety Educator (40 Hours) The student will be able to identify the major problems to be solved regarding delivery of a Public Fire & Life Safety Program. This course identifies the most cost effective objectives for the program, how to develop educational messages and materials and delivery methods.

Y0654 - Apparatus Operator Aerial (40 Hours) This course is designed to provide the structural firefighter with the additional knowledge and skills to successfully operate an aerial apparatus. Included in this course is a section of performance standards that must be completed and documented by the student at their department prior to attending the class. The purpose of this class is to specify, in terms of performance objectives, the minimum requirements for professional service as an apparatus operator/driver. This course shall cover all the requirements for the Apparatus Operator/Driver: Aerial level of progression.

Y0655 Apparatus Operator - Pumper (40 Hours) This course is designed for the firefighter who wishes to advance to the next level of his/her profession. This course consists of six modules: Preventive maintenance, Test and Inspections, Driving/Operating, Water Supply, Sprinklers and Standpipes and Operations. The purpose of this class is to specify, in terms of performance objectives, the minimum requirements for professional service as an apparatus operator/driver. This course shall cover all the requirements for the Apparatus Operator/Driver: Pumper level of progression.

Y0705 - Fire Inspector I (40 Hours) This course is designed for the fire inspector who is ready to advance his/her educational training to the next level. This course delves into the interpretation of applicable codes and standards, covers the procedure for various types of inspections, and prepares the inspector for the plans review process. The purpose of this course is to specify, in terms of performance objectives, the minimum requirements for professional service as a fire inspector. This course covers the requirements of the Fire Inspector I level of progression.

Y0706 - Fire Inspector II (40 Hours) This course is designed for the fire inspector who is ready to advance his/her educational training to the next level. This course delves into the interpretation of applicable codes and standards, covers the procedure for various types of inspections and prepares the inspector for the plans review process. The purpose of this course is to specify, in terms of performance objectives, the minimum requirements for professional service as a fire inspector. This course covers the requirements of the Fire Inspector II level of progression.

Arkansas Fire Academy

Y0113 - Instructor I (64 Hours) This course is designed to develop the knowledge, skills, and abilities necessary to perform as a Fire Instructor I according to IFSTA Fire and Emergency Services Instructor 6th edition. Students will obtain the necessary information regarding the applicable laws, regulations, and standards applying to the delivery of training. Students will be provided information regarding trends in training and maintaining their professional competency through continuing education, networking, instructional development and delivery.

Y0214 - Fire Officer I (80 Hours) This course is designed to meet the objectives as listed in NFPA 1021 for Fire Officer I. The program is divided into 19 modules, each covering the NFPA 1021 standards as listed in the objectives.

Y0215 - Fire Officer II (40 Hours) This course is designed to meet the objectives as listed in NFPA 1021 for Fire Officer II. The program is divided into 15 modules, each covering the NFPA 1021 standards as listed in the objectives.

Y0407 - Haz Mat Awareness Certification course (16 Hours) This course references NFPA standards, specifically, NFPA 472: Professional Competence of Responders to Hazardous Materials Incidents, 2002 edition, which is required to achieve the Hazardous Materials Awareness certification level. The goal of the competencies at the awareness level shall be to provide the first responders with the knowledge and skills necessary to perform incident tasks safely.

Y0408 - Haz Mat Operations (16 Hours) This course references NFPA standards, specifically, NFPA 472: Professional Competence of Responders to Hazardous Materials Incidents, 2002 edition, which is required to achieve the Hazardous Materials Operations level. The goal of the competencies at the operations level shall be to provide the first responders with the knowledge and skills necessary to perform incident tasks safely.

Y0604 - First Responder Course (40 Hours) This course is designed to instruct a student to the level of First Responder, who serves as a vital link in the chain of the health care system. This curriculum includes the skills necessary for the individual student to provide emergency care with a limited amount of equipment. Specifically, after successful completion of the program, the student will be capable of performing the necessary emergency treatments at an entry level. This course is designed around the First Responder: National Standard Curriculum developed by the National Highway Traffic Safety Administration.

Y0605 - Firefighter I (180 Hours) Essentials of Firefighter I: The Firefighter I course is structured for competency-based group instruction of the Firefighter I information presented in the IFSTA "Essentials of Fire Fighting" (4th Edition). It addresses the standards covered in NFPA 1001 (2002) Chapter 5 with the exception of those objectives related to response to hazardous materials at the awareness level (NFPA 472). The firefighter I will receive knowledge and skills to function as an integral member of a firefighting team under direct supervision in hazardous conditions.

Y0606 - Firefighter II (180 Hours) Essentials of Firefighter II: The Firefighter II course is structured for competency-based group instruction of the Firefighter II information presented in the IFSTA "Essentials of Fire Fighting" (4th Edition). It addresses the standards covered in NFPA 1001 (2002) Chapter 6 with the exception of those objectives related to response to hazardous materials at the operations level (NFPA 472). The firefighter II will receive the knowledge and skills to function under general supervision.

Y0659 - Pumper Driver/Operator (80 Hours) This course is designed to provide the student Driver/Operator with the necessary knowledge, skills and abilities to inspect and perform preventative maintenance on a fire apparatus according to NFPA 1002 standards and IFSTA Driver/Operator standards. The student will be capable of performing routine test, inspections and servicing functions on the apparatus systems and components as specified in the manufacturer's specifications.

Y0763 - Protective Equipment (40 Hours) The student will be able to safely utilize all the protective equipment necessary for the task to be performed on the fireground, while under the immediate supervision of an experienced firefighter.

California - Office of the State Fire Marshal

Y0103 - Fire Instructor 1A, Instructional Techniques, Part 1 (40 Hours) This is the first of a two-part series. Topics include: The Occupational Analysis, course outline, concepts of learning, levels of instruction, behavioral objectives, lesson plan development, psychology of learning, and instructor evaluation. Student teaching demonstrations are required of all.

Y0104 - Fire Instructor 1B, Instructional Techniques, Part 2 (40 Hours) This is the second in a two-course series. Topics include: Preparing course outlines, establishing levels of instruction, constructing behavioral objectives and lesson plans, developing instructional aids, fundamentals of testing and measurements, test planning, evaluation techniques and tools. Student teaching demonstrations are required of all. **Prerequisite:** Fire Instructor 1A.

Y0203 - Fire Management 1, Management/Supervision for Company Officers (40 Hours) This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized and includes discussions about decision making, time management, leadership styles, personnel evaluations and counseling guidelines.

Y0130 - IPSLE: Developing a Personal Philosophy of Leadership and Ethics (40 hours + 8 hours Applied Leadership Practicum) This course will introduce the International Public Safety Leadership and Ethics Institute. Students will gain a deeper understanding of self as it relates to leadership philosophies, knowledge, skills, and abilities for the exercise of effective and ethical leadership. Students will explore their core values, ethics, decision making, and begin to develop a personal philosophy of leadership. Personal leadership roles in the community as they relate to self, family, professional and social contexts will be identified as well as defining the difference between the exercise of leadership and management. Students will complete self-assessments to gain insights into personal leadership style and characteristics and opportunities for growth.

Y0131 - IPSLE: Leading Others Ethically (40 hours + 8 hours Applied Leadership Practicum) This course is the second in the International Public Safety Leadership and Ethics Institute Program. Students will gain knowledge, skills, and abilities to effectively and ethically lead others. Various aspects of exercising ethical leadership as they relate to team building, delegating, facilitating conflict resolution, coaching, and mentoring will be explored. Students will also gain an understanding of communication processes, empowerment, and leading in an ever-changing and diverse environment. Various theories of leadership, including situational leadership, transformational leadership, net-centric, and servant leadership will be explored.

Y0132 - IPSLE: Ethical Leadership in Organizations (40 hours + 8 hours Applied Leadership Practicum) This course is the third in the continuing series of the International Public Safety Leadership and Ethics Program. Students will explore the leadership process and the leader-follower relationship within organizational settings. The influence of organizational culture, values, and contemporary societal issues on leadership effectiveness will be explored, as well as the concepts of organizational health, defenses, and change.

Y0133 - IPSLE: Ethics and the Challenge of Leadership (40 hours + 8 hours Applied Leadership Practicum) This is the fourth and final course in the Program of the International Public Safety Leadership and Ethics Program. Students will correlate personal core values and characteristics to complex ethical decisions and behaviors. Ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decision-making models will be explored. Students will also examine challenges and develop strategies for exercising leadership in agency's serving diverse and dynamic communities.

Y0301 - Fire Command 1A, Command Principles for Company Officers (40 Hours) This course provides instruction and simulation time pertaining to the initial decision and action processes at a working fire. The course includes areas of discussion on the fire officer, fire behavior, fire ground resources, operations, and management. **Prerequisite:** I-220 (Basic ICS)

Y0302 - Fire Command 1B, Hazardous Materials Command Principles for Company Officers (40 Hours) This course provides instruction in tactics and strategies and scene management principles for incidents involving hazardous materials. The course includes areas of discussion on identification and hazard mitigation, decontamination, protective clothing, environmental concerns, and legal issues.

Prerequisites: Fire Command 1A, I-220 (Basic ICS).

Y0501 - Fire Prevention 1A, Fire Inspection Practices (40 Hours) This course provides fundamental information regarding the history and philosophy of fire prevention, organization, and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression system.

Y0502 - Fire Prevention 1B, Code Enforcement (40 Hours) This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression system. **Prerequisite:** Fire Prevention 1A.

Y0503 - Fire Prevention 1C, Flammable Liquids and Gases (40 Hours) This course focuses on the special hazards associated with flammable and combustible liquids and gases. Some topics of discussion include: Bulk storage and handling, transportation of flammable gases and liquids and more.

Prerequisites: Fire Prevention 1A, Fire Prevention 1B.

Y0551 - Public Education 1, Systematic Planning/Communications Skills (40 Hours) Key topics include: Systematic planning process for public education, use of CFIRS to analyze local fire problems, communication skills, program evaluation, working with the media, integrating programs into schools, gaining community support, fire safety for children, interviewing and counseling juvenile fire setters, creating and using audio/visual resources, and idea and resource sharing.

Y0615 - Rapid Intervention Crew Tactics (16 Hours) This course will provide the student with the history of firefighter injuries and fatalities at structure fires while providing them with the knowledge and techniques of rapid intervention crews. It will also provide the student with the knowledge and techniques of self-survival, while providing the firefighter an opportunity to demonstrate and apply these rescue techniques.

Y0616 - Rescue Systems I (40 Hours) This course is designed to provide training in the subject elements required for the California Urban Search and Rescue Basic and Light Operations levels. It will provide recognition of the unique hazards associated with the collapse or failure of light frame construction and a working knowledge of the resources and procedures for performing search operation inside or beneath light frame construction.

Y0651 - Fire Apparatus Driver/Operator 1A, Emergency Vehicle Operations (40 Hours) This course is designed to provide the student with information on driver techniques for emergency vehicles and techniques of basic inspection and maintenance of emergency vehicles, including actual driving exercises under simulated emergency conditions.

Y0652 - Fire Apparatus Driver/Operator 1B, Pump Operations (40 Hours) This course provides the student with information, theory, methods, and techniques for operating fire service pumps. Subjects include: Types of pumps, engine and pump gauges, maintenance, unsafe pumping conditions, pressure relief devices, cooling systems, water supplies, drafting, field hydraulics, and pumping operations.

Prerequisite: Fire Apparatus Driver/Operator 1.

Y0701 - Fire Investigation 1A, Fire Origin and Cause Determination (40 Hours) This course provides the participants with an introduction and basic overview of fire scene investigation. The focus of this course is to provide information on fire scene indicators and to determine the fire's origin.

Y0761 - Fire Control 4A (6 Hours) This course will provide the student with information on the characteristics and hazards of flammable gases. It will also provide the student with the methods and procedures necessary to handle flammable gases whether involved in a fire or not.

Y0762 - Fire Control 4B (6 Hours) This course will provide the student with information on the characteristics and hazards of flammable liquids. It will also provide the student with the methods and procedures necessary to handle flammable liquid whether involved in a fire or not.

Connecticut Fire Academy

Y0105 - Fire Service Instructor I (56 Hours) This seven-day course content is designed to meet the first level of instructor as identified by the National Professional Qualifications Standards. Class time is spent on instructor roles, audience analysis, communication skills, the writing of objectives, simulations and evaluation methods. Each student is required to prepare and deliver both a 10-minute and a 20-minute classroom presentation. It is required that each student has access to the IFSTA: Fire Service Instructor, 5th Ed.

Y0585 - Fire Officer I (96 Hours) Fire Officer I is a comprehensive course designed to strengthen the new or aspiring fire officer's supervisory and leadership skills. Emergency and routine duties of the company officer are discussed. Orientated to the level of Lieutenant, topics covered in this course include: human resource management, community and government relations, public education, safety, inspection and investigation and emergency service delivery, which also includes putting students into a fire command simulator.

Y0586 - Fire Officer II (80 Hours) This course is designed for those fire officers or aspiring officers that need the skills to supervise multiple companies. Generally, this level involves the management of company supervisors involved in the operational aspects of a fire station. Orientated to the level of Captain, topics covered in this course include: group behavior, employee evaluation, communication skills, report preparation, pre-fire and operational planning, inspections, command of hazardous materials incidents, safety and emergency service delivery, which also includes putting students into a fire command simulator.

Y0587 - Fire Officer III (80 Hours) Fire Officer III moves the fire officer from the line to the office. This class is an organizational administration course designed for those who hold or aspire to be a shift commander or chief officer. It is designed to enhance the skills of the chief officer by providing a group of peers with a progressive learning environment. This semi-independent study course includes a balance of regularly scheduled peer group discussion sessions and development of individual projects. Areas covered in the discussions and projects include: human resource management, community relations, administration, inspection and investigation, safety and emergency service delivery.

Y0588 - Fire Officer IV (56 Hours) This semi-independent course consists of a balance of regularly scheduled peer group discussion sessions and the development of individual projects. This course is designed for chief officers. Areas covered in the discussions and projects will focus heavily on human resource management, administration, multi-agency emergency responses scenarios and safety. Areas specifically covered include: grievance administration, training and education goal setting, employee assistance programs, incentive programs, community event planning, long-range organizational planning and disaster planning. Students complete a long-range organizational strategic plan as their main project.

Idaho Fire Service Training

Pumping Apparatus Driver Training Program (80 Hours) This course is intended to train driver/operators who are responsible for driving and operating fire apparatus equipped with fire pumps. The information contained in this course will assist the driver/operator in meeting the job performance requirements contained in chapters 3, 4, and 5 of NFPA 1002, Standard for Fire Apparatus Driver/Operator Qualifications, 2003 edition.

Illinois Fire Service Institute

Y0106 - Instructor I (40 Hours) The Instructor I course is designed to give the student the knowledge and ability to teach from prepared materials which are predominately skills oriented. Areas covered include: communication, concepts of learning, human relations in the teaching-learning environment, methods of teaching, organizing the learning environment, records and reports, testing and responsibilities, teaching techniques, and use of instructional materials.

Y0107 - Instructor II (40 Hours) The emphasis of the Instructor II course is placed on teaching formalized lessons from materials prepared by the instructor, including relating information from one lesson or class to the next. Coverage includes: writing performance objectives, developing lesson plans, preparing instructional materials, constructing evaluation devices, demonstrating selected teaching methods, completing training records and reports, and identifying reference resources. **Prerequisite:** Instructor I.

Y0204 - Management I (40 Hours) The Management I course is designed to provide the Fire Officer, who is in charge of a single fire company or station, with information and skills in supervisory practices and personnel management. Subject areas covered will include: the role and function of the Company Fire Officer, basic management principles and concepts, leadership, motivation, order giving, discipline, and conflict resolution.

Y0205 - Management II (40 Hours) The Management II course is designed to provide the Fire Officer, who is in charge of a single fire company or station, with information and skills in personnel management. This course provides coverage in the areas of basics of communications, report writing, interpersonal communication, group dynamics, coaching and counseling skills, and performance appraisal.

Y0206 - Management III (40 Hours) The Management III course is designed to provide the Fire Officer, who is in charge of multiple fire companies or stations, with information and skills in officer supervision and administrative functions. Subject areas covered will include: planning and decision-making, finance and budgeting, risk management, public relations and the news media. **Prerequisite:** Management I & II.

Y0207 - Management IV (40 Hours) The Management IV course is designed to provide the Fire Officer, who is in charge of multiple fire companies or stations, with information and skills in personnel management. Subject areas covered will include the role and function of the Fire Officer II, introduction to Total Quality Management, performance evaluation, interviewing techniques, labor relations and collective bargaining, fire officer liability, and team building. **Prerequisite:** Management I & II.

Y0303 - Tactics & Strategy I (40 Hours) The Tactics & Strategy I course is designed for the Fire Officer who is responsible for commanding one to two companies at the fire or emergency scene, such as Company Officers and Chief Officers of small departments. Subject areas which will be covered are: company officer leadership, safety, pre-fire planning, fire behavior, building construction, firefighting tactics, engine company and truck company operations, Haz Mat, and tactical exercises.

Y0304 - Tactics & Strategy II (40 Hours) The Tactics & Strategy II course is designed for the Fire Officer who is responsible for commanding a fire or emergency scene involving multiple companies. Subject areas which will be covered are: strategic concepts in firefighting, duties and responsibilities of command officers, incident command system (scene, manpower, and apparatus management), multi-company operations, disasters, high-rise operations, critical incident stress, and tactical exercises.

Prerequisite: Tactics & Strategy I.

Y0411 - Hazardous Materials Awareness (8 Hours) This course is intended for all first- responders. Students will understand their role at the Awareness level, including recognizing hazardous incidents, scene security, use of the DOT Emergency Response Guidebook, and the need to request special assistance.

Y0413 - Haz Mat Incident Management System (24 Hours) The scope of this course is to prepare students to serve as the on-scene commander at a hazardous materials or CBRNE incident. Students will demonstrate understanding of ICS and NIMS, hazards associated with responders working in chemical protective clothing, analyzing hazardous materials incidents, decontamination procedures, incident action plans, documentation, and incident termination requirements.

Y0414 - Hazardous Materials Technician A (45 Hours) The scope of this course is to prepare students to operate within NIMS at a hazardous materials or CBRNE event. The students will learn self-protection measures and rescue and evacuation procedures for WMD events, and chemical, radiological, and also toxicological terminology and behavior. They will understand monitoring gases and confined spaces, plume dispersal, radiation detection, and diking and damming. They will also know about liquid leak intervention including absorption, neutralization, plugging, and patching, as well as vapor leak intervention. They will use field survey instruments to identify, classify, and verify known and unknown materials, and develop action plans. They will perform offensive control, containment, and/or confinement operations, using the 5-step model. Students comply with appropriate standards and regulations.

Y0415 - Hazardous Materials Technician B (40 Hours) The scope of this course is to prepare students to operate within NIMS at a hazardous materials or CBRNE event. The students will understand self-protection measures and rescue and evacuation procedures for WMD and hazardous materials incidents. Students will practice the 5-step (Identify, Notify, Isolate, Mitigate, and Terminate) model for response. They will practice detecting and monitoring liquids, vapors, and radiation, and proper handling of their releases. Students will use specialized detection and communication equipment. They will perform advanced offensive skills, develop incident action plans, and make strategic and tactical decisions while participating in scenarios. Students comply with appropriate standards and regulations.

Y0504 - Fire Prevention Principles (40 Hours) The Fire Prevention Principles course covers materials in the areas of fire inspection, fire investigation, and fire cause determination. Inspection topics include: laws, codes, ordinances, life safety code applications, building construction, occupancy, and inspection techniques, installed systems and water supply. Fire investigation concentrates on determining cause and point of origin.

Y0583 - Fire Department Incident Safety Officer (40 Hours) This course prepares students who will be designated by an incident commander (IC) as the incident safety officer (ISO). This course will teach students how to monitor the various types of incidents including, fire, EMS, technical rescue and hazardous materials scenes, and report to the IC the status of conditions, hazards and risks present. This course will also cover accident investigation and review procedures and how to develop and participate in a post-incident analysis.

Y0612 - Basic Firefighter/NFPA Firefighter I (On-Line)

Y0613 - Basic Firefighter/NFPA Firefighter I Academy Essentials of Firefighter II: The Firefighter II course is structured for competency-based group instruction of the Firefighter II information presented in the IFSTA “Essentials of Fire Fighting” (4th Edition). It addresses the standards covered in NFPA 1001 (2002) Chapter 6 with the exception of those objectives related to response to hazardous materials at the operations level (NFPA 472). The firefighter II will receive the knowledge and skills to function under general supervision.

Y0618 - Technical Rescue Awareness (9 Hours) The scope of this course is to prepare students to respond as the first-in company to a CBRNE or other incident resulting in need for a technical rescue. Students will learn to identify the rescue situation, its special hazards, and the initial company actions to be performed prior to arrival of a technical rescue team. Subject areas include standards, structural collapse, rope, confined space, vehicle and machinery, water and ice, trench, and wilderness rescues, and incidents involving WMD.

Y0619 - Rope Rescue Operations (40 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event requiring the need for low angle rescue. This course provides the fundamental knowledge and skills needed to perform rescues using rope rescue systems. The class will cover use of rope, rope equipment, hardware, construction of mechanical systems, belay and safety systems, anchor systems, and patient packaging. Special consideration will be given to the policies of the standard making agencies such as OSHA, ANSI, NFPA, and others. Skills performed are within the range of National Homeland Security Scenarios and fall within the DHS and ODP Target Capabilities and Universal Task Lists.

Y0620 - Rope Rescue Technician (80 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event requiring the need for high angle rescue. This course provides the advanced knowledge and skills needed to perform rescues using rope rescue systems. The class will cover the use of rope, rope equipment, hardware, construction of mechanical advantage systems, belay and safety systems, specialized high point anchor systems, rappelling, pick offs, line transfers, and patient packaging. This is listed as an 80 hour class, but often exceeds an 8 hour day. Evolutions will be performed in adverse weather, darkness, and simulated “on rope” emergencies. Special consideration will be given to the policies of the standard making agencies such as OSHA, ANSI, NFPA, and others. Skills performed are within the range of National Homeland Security Scenarios and fall within the DHS and ODP Target Capabilities and Universal Task Lists.

Y0621 - Confined Space Rescue Operations (40 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event resulting in a permit required confined space rescue. The course provides the fundamental knowledge and skills needed to perform rescues at permit required confined space incidents. The class will review the use of rope, rope equipment, hardware, construction of mechanical advantage systems, belay and safety systems, anchor systems, and patient packaging. Further instruction includes the use of atmospheric monitoring equipment, commercially engineered entry and retrieval systems, and the employment of rescuer constructed retrieval systems. Emphasis will be given to rescuer safety, scene management, patient care and movement, and compliance with the federal and state regulatory requirements.

Special consideration will be given to policies of the standard making agencies such as OSHA, ANSI, NFPA, and others. Skills performed are within the range of National Homeland Security Scenarios and fall within the DHS and ODP Target Capabilities and Universal Task Lists.

Y0622 - Confined Space Rescue Technician (40 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event resulting in a permit required confined space rescue. The focus of these rescues will be to handle a nonambulatory patient or responder possibly exposed to a toxic industrial chemical or CBRNE aftermath. This course provides the advanced skills needed to perform rescues at confined space incidents where civilians or rescuers are trapped and exposed. The class will review construction of mechanical advantage systems, belay and safety systems, anchor systems, rappelling, pick offs, line transfers, and patient packaging. Further instruction includes the use of basic atmospheric monitoring equipment, commercially engineered entry and retrieval systems, and employment of rescuer constructed retrieval systems. Emphasis will be given to safety by means of chemical and mechanical personal protective equipment, scene management, patient care and movement, decontamination, and compliance with federal and state regulatory requirements. Drills involve mass casualty situations requiring entry through previously secured passages, disentanglement, and retrieval often via rescuer engineered means. Special consideration will be given to policies of the standard making agencies such as OSHA, ANSI, NFPA, and others. The skills performed are within the range of National Homeland Security Scenarios and fall within the DHS and ODP Target Capabilities and Universal Task Lists.

Y0623 - Structural Collapse Rescue Operations (45 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event requiring rescue from collapse of a building constructed of wood, masonry, or pre-fabricated light metal materials. This course is extensively hands-on, and prepares students to operate safely and efficiently at a building collapse involving WMD. It offers practice in cutting, breaching, lifting, stabilizing, searching, shoring, packaging, and removing victims from a collapse environment.

Y0624 - Structural Collapse Rescue Technician (45 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event requiring rescue from collapse of a building constructed of heavy masonry and/or steel. This course is extensively hands-on, and prepares students to operate safely and efficiently at a building collapse involving WMD. It offers practice in cutting, breaching, lifting (including with a crane), stabilizing, searching, shoring, packaging, and removing victims from a collapse environment.

Y0625 - Trench Rescue Operations (24 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event resulting in a shallow non-intersecting trench rescue. The class covers standards and regulations, use of specialized atmospheric monitoring equipment, emergency shoring systems, victim excavation, and employment of rescuer constructed retrieval systems. Special emphasis is given to rescuer safety. Evolutions involve various trench situations.

Y0626 - Trench Rescue Technician (40 Hours) The scope of this course is to prepare students to operate within NIMS at a CBRNE event resulting in a deep intersecting trench rescue. The class covers standards and regulations, use of specialized atmospheric monitoring equipment, emergency shoring systems, victim excavation, and employment of rescuer constructed retrieval systems. Special emphasis is given to rescuer safety. Evolutions involve various deep trench situations.

Y0657 - Fire Apparatus Engineer (32 Hours) After completion of this course, a student will be able to explain the following terms: atmospheric pressure, capacity, discharge velocity, displacement, GPM flow, flow pressure, friction loss, head pressure (gain or loss), hydrant pressure, negative pressure, net engine pressure, normal engine pressure, normal operating pressure, nozzle reaction, PSI, pump discharge pressure, residual pressure, static pressure, vacuum, velocity, and water hammer.

Y0702 - Fire/Arson Investigation I (40 Hours) The Fire/Arson Investigation I course includes units on: fire behavior, building construction, safety, automatic fire detection and suppression systems, electrical fire cause determination, accidental and incendiary origin and cause determination, vehicle fires, sketching, and field exercises. *Modules I and II must be taken consecutively.

Y0703 - Fire/Arson Investigation II (40 Hours) The Fire/Arson Investigation II course covers the subjects of: motivation of fire setters, insurance information, Property Insurance Loss Register (PILR), National Fire Incident Reporting System (NFIRS), interviewing, legal aspects, case preparation, presentation and review, explosives, explosive and incendiary devices, and field exercises.

Y0704 - Fire/Arson Investigation III (40 Hours) The Fire/Arson Investigation III course covers areas which include: intelligence systems, fatal fires, crime laboratory usage, photography, arson for profit, interview and communication techniques, and exercises. Students should bring a 35mm camera the first day of class.

Iowa Fire Service Training Bureau

Y0119 - Instructor I (32 Hours) This course is designed to prepare new instructors, or those wanting to be instructors, on how to organize and teach effectively, using existing lesson plans. In addition, instructor candidates will also learn how to use instructional aids and evaluation instruments, adapt lesson plans, organize the learning environment, and meet record-keeping requirements. This course meets the Job Performance Requirements for Instructor I, as stated in the NFPA 1041, Standard for Fire Service Instructor Professional Qualifications, 2007 Edition.

Y0120 - Instructor II (24 Hours) This course is designed to prepare current instructors with the skills necessary to develop lesson plans. Included in this course are: developing lesson objectives, instructional aids and evaluation instruments; how to schedule training sessions; and methods of supervision and coordination of training activities. This course meets the Job Performance Requirements for Instructor II, as stated in the NFPA 1041, Standard for Fire Service Instructor Professional Qualifications, 2007 Edition. **Prerequisite:** Instructor I certification.

Y0121 - Fire Officer I (40 Hours) This course is designed for the fire officer, or fire officer candidate, at the supervisory level. Students will develop a basic understanding in human resource development; community and government relations; administration; inspection and investigation at the company level; emergency services delivery at the company level; and health and safety. This course meets the Job Performance Requirements for Fire Officer I, as stated in the NFPA 1021, Standard for Fire Officer Professional Qualifications, 2009 Edition. **Prerequisite:** Firefighter II and Instructor I certifications.

Y0122 - Fire Officer II (32 Hours) This course is designed for the fire officer at the supervisory/managerial level. Students will develop an advanced understanding in human resource management; community and government relations; inspection and investigation; emergency services delivery; and health and safety. This course meets the Job Performance Requirements for Fire Officer II, as stated in the NFPA 1021, Standard for Fire Officer Professional Qualifications, 2009 Edition. **Prerequisite:** Fire Officer I certification.

Y0580 - Leadership, Accountability, Culture and Knowledge (LACK) Training (3 Hours) This workshop is designed to reach fire officers, training officers and chief officers and provide the opportunity to learn how Leadership, Accountability, Culture and Knowledge can guide them toward recognizing how they can improve both their own and/or their organizational skill set for what each letter represents (L.A.C.K.). While improving Leadership skills, recognizing the importance of Accountability, the impact of Culture and the need for continuous Knowledge, the presenter utilizes the opportunity to introduce the blueprint for the Courage to Be Safe® 16 Firefighter Life Safety Initiatives into the personal and organizational improvement action plan.

Y0581 - Courage to Be Safe® Training (3 Hours) This provocative and moving presentation is designed to change the culture of accepting the loss of firefighters as a normal occurrence. Building on the untold story of line-of-duty death (LODD) survivors, it reveals how family members must live with the consequences of a firefighter death and provides a focus on the need for firefighters and fire officers to change fundamental attitudes and behaviors in order to prevent line-of-duty deaths. The central theme of this workshop promotes the courage to do the right thing in order to protect yourself and other firefighters and ensure that “Everyone Goes Home” at the end of the day.

Y0582 - Fire Inspector I (40 Hours) This course is designed to provide a basic understanding of fire prevention and fire inspection efforts. Students will develop a basic understanding of fire prevention, administration of codes and standards, the impact of fire behavior on buildings, building construction, fire detection and protection systems, the identification and correction of hazards and field inspections. This course meets the Job Performance Requirements for Fire Inspector I, as stated in the NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Reviewer, 2009 Edition.

Y0608 - Essentials of Firefighter I (96 Hours) The Firefighter I course is structured for competency-based group instruction of the Firefighter I information presented in the IFSTA “Essentials of Fire Fighting” (4th Edition). It addresses the standards covered in NFPA 1001 (2002) Chapter 5 with the exception of those objectives related to response to hazardous materials at the awareness level (NFPA 472). The firefighter I will receive knowledge and skills to function as an integral member of a firefighting team under direct supervision in hazardous conditions.

Y0609 - Essentials of Firefighter II (45 Hours) The Firefighter II course is structured for competency-based group instruction of the Firefighter II information presented in the IFSTA "Essentials of Fire Fighting" (4th Edition). It addresses the standards covered in NFPA 1001 (2002) Chapter 6 with the exception of those objectives related to response to hazardous materials at the operations level (NFPA 472). The firefighter II will receive the knowledge and skills to function under general supervision.

Kentucky Fire Service Training

Y0617 - Firefighter Rescue (16 Hours) This intensive training course was developed in response to the tragic deaths of many firefighters across the nation in the past several years. Many of those who perished did so because they could not get out of the fire building or area where they were working. We train our firefighters in confined space, hazardous materials, infectious disease control, and incident command, but until now there was no training course that teaches our firefighters how to save their own lives. The Firefighter Survival and Rescue courses are designed to fill this void by reviewing conditions and situations which may pose a risk to firefighters and by teaching firefighters how to help themselves in emergency conditions.

Maryland Fire and Rescue Institute

Y0108 - Instructor I Curriculum (30 Hours) To teach instructors and trainers how to organize and teach a course effectively using existing lesson plans. Upon successful completion of this course, the student will be able to make an effective classroom presentation based on appropriate lesson plans.

Y0109 - Instructor II Curriculum (30 Hours) To prepare the student to use instructional methods that address various learning styles; to plan and develop lessons and programs for the purpose of delivering instruction; to supervise instructors and instruction and teach students in normal and hazardous learning environments; to develop examination methods and forms; and to develop and maintain a record and reporting system. Upon successful completion of this course, the student will be able to describe and define instructional terms and methods, describe concepts of learning, use reference materials and locate instructional resources, use various instructional methods and instructional support materials, evaluate programs and learning, supervise and train instructors and students, create and maintain records and reports, use appropriate and effective communication methods, and be aware of instructor roles and responsibilities. (The program is based on the National Fire Protection Association Standard 1041, Fire Service Instructor Professional Qualifications, 1996 edition, Chapters 3 and 4.)

Y0208 - Fire Officer I - Company Level Operations (60 Hours) To provide entry-level training in company operations and administration at the first-line supervisory level. Upon successful completion of this course, the student will be able to effectively manage human resources; community/public relations; fire department organization and administration, including budgets, reports, and planning; fire inspection, investigation, and public education; emergency service delivery; and safety. (National Fire Protection Association Standard 1021, Fire Officer Professional Qualifications, 1997 edition, Chapter 2.)

Y0209 - Fire Officer II - Strategies for the Success of Company-Level Officers (42 Hours) To provide the student with training in company operations and administration that enhances the entry-level company officer training course. Upon successful completion of this course, the student will be able to effectively manage human resources; community/public relations; fire department organization and administration, including budgets, reports, and planning; fire inspection, investigation, public education, and emergency service delivery; and safety. (National Fire Protection Association Standard 1021, Fire Officer Professional Qualifications, 1997 edition, Chapter 3.)

Y0210 - Fire Officer III - Developing the Chief Officer for the Administrative and Operational Challenges of the 21st Century (48 Hours) To prepare current/potential chief officers at the company/department/organizational level for the job performance requirements and challenges consistent with NFPA 1021, Chapter 4, 1997 edition. Upon successful completion of all required course work, the participant will have a solid perspective of fire service management and related issues. This will enable the participant to function in the capacity of an organizational chief officer, or as a member of a chief officer/fire administrator's executive staff.

Y0404 - Hazardous Materials Operations (24 Hours) To provide the student with the knowledge and skills to perform hazardous materials first response. Upon successful completion of this course, the student will be able to analyze a hazardous materials incident, plan an initial response, implement the response, and evaluate the progress of the action taken.

Y0405 - Hazardous Materials Technician (39 Hours) To provide students with the knowledge and skills to mitigate a hazardous materials leak. Upon successful completion of this course, the student will be able to analyze a hazardous materials incident, plan a response, implement the response, evaluate the progress of the planned response, and terminate the incident.

Y0505 - Fire Inspector I (40 Hours) To provide the students with an in-depth review of the skills attendant to the duties of a Fire Inspector I job performance requirements (JPRs) of the National Fire Protection Association, 1031, Standard for Fire Professional Qualifications for Fire Inspector and Plan Examiner. Upon successful completion of the course, the student will be able to prepare reports on fire safety issues using proper codes and standards, conduct research on the various codes to address deficiencies noted during a site visit, develop a checklist to complete fire safety inspections, and give a legal deposition given the findings of an inspection, plan review, or complaint.

Y0601 - Emergency Medical Services Officer I (48 Hours) To provide students with entry-level training in company/departmental emergency medical services operations and administration at the first-line supervisory level. Upon successful completion of this course, the student will be able to effectively manage human resources, community/public relations; EMS company/departmental organizational and administration, including budgets, reports, incident pre-planning, public EMS education, safety, and emergency services delivery. This program addresses approximately 90 percent of the NFPA 1021, Fire Officer Professional Qualifications, 1992 edition, Chapter 2.

Y0602 - Rescue Technician (60 Hours) To provide the student with the fundamental principles of rescue to safely perform skills required at an auto accident, forcible entry situation, or land rescue. Upon successful completion of this course, the student will be able to describe the principles and hazards of rescue and demonstrate the use of tools and equipment to properly and safely perform auto extrication, rudimentary rigging, ladder rescue, forcible entry operations, and overland repelling.

Y0751 - Shipboard Firefighting Awareness (24 Hours) To provide students with the knowledge and skills to safely and effectively perform shipboard fire suppression operations as part of a firefighting team. Upon successful completion of this course, the student will be able to describe the role of the fire department and other agencies that respond to shipboard emergency incidents, and understand and apply the principles of shipboard fire behavior, firefighter safety, ship construction, arrangement, systems and staffing, shipboard firefighting strategy and tactics, marine communications, incident management, and hazardous materials incident mitigation. Prerequisite: For the Operations module, successful completion of the Awareness module, plus MFRI Firefighter II, EMTB, and HAZMAT Operations, or MFSPQB, NPQS or IFSAC certification.

Y0752 - Shipboard Firefighting Operations (39 Hours) (ACE Credit) To provide students with the knowledge and skills to safely and effectively perform shipboard fire suppression operations as part of a firefighting team. Upon successful completion of this course, the student will be able to describe the role of the fire department and other agencies that respond to shipboard emergency incidents, and understand and apply the principles of shipboard fire behavior, firefighter safety, ship construction, arrangement, systems and staffing, shipboard firefighting strategy and tactics, marine communications, incident management, and hazardous materials incident mitigation. Prerequisite: For the Operations module, successful completion of the Awareness module, plus MFRI Firefighter II, EMTB, and HAZMAT Operations, or MFSPQB, NPQS or IFSAC certification.

Massachusetts Fire Service

Y0112 - Instructional Methodology I (36 Hours)

Y0115 - Public Fire and Life Safety Educator (40 Hours) This program will help the fire educator continue to raise the bar for quality fire and life safety education. Students will become versed in current educational philosophies including how children learn, multiple-intelligences, lesson plan writing, classroom management, and educational reform. Students are expected to utilize the key fire behaviors when designing and delivering a fifteen-minute presentation to the class.

Y0213 - Training Officer Workshop (6 Hours)

Y0421 - Hazardous Materials: First Responder Operational (8 Hours) The purpose of this course is to educate the firefighter about the basic strategies needed to safeguard their health and safety when their work involves potential exposure to hazardous materials. The program includes classroom lecture, video and slides on topics ranging from health and safety, recognition and identification, to basic principles of chemistry. Several case histories and exercises are included to enhance interaction and emphasize the importance of the program.

Y0422 - Hazardous Materials Technician (40 Hours) This course is designed to train personnel who respond to hazardous materials incidents in an offensive mode. Educational objectives of pertinent standards will be met. Classroom theory on response safety, recognition, identification, hazard and risk assessment, toxicology, incident management, protective clothing selection and radiation is covered. Response to incidents involving potential weapons of mass destruction is discussed and practiced. Hands-on exercises in decontamination, communications instrumentation, incident migration and incident simulations are presented. Visits to active industrial sites will be made.

Y0656 - Emergency Vehicle Operator - Awareness (6 Hours)

University of Missouri Fire Service Training

Y0110 - Fire Service Instructor I (24 Hours) Upon successful completion of this course, the student shall be able to deliver instruction effectively from a prepared lesson plan, given instructional aids and evaluation instruments; adapt lesson plans given unique requirements of the students; organize the learning environment given a learning situation; and comply with record-keeping requirements given records.

Y0111 - Fire Service Instructor II (30 Hours) Upon successful completion of this course, the student shall be able to develop a lesson plan for a specified topic including learning objectives, instructional aids and evaluation instruments; schedule training sessions based on the overall training plan of the authority having jurisdiction; and supervise and coordinate the activities of other instructors.

Y0211 - Fire Officer I (40 Hours) Upon successful completion of this course, the student shall be able to assign resources at emergency and non-emergency situations, given simulated incidents, recommend members for member-related problems; apply human resource policies and procedures, given an administrative situation; direct unit members during a training evolution; implement departmental administrative policies and procedures at the unit level; determine preliminary fire cause; secure the scene, and preserve evidence; develop a pre-incident plan; develop an initial action plan, given size-up information for an incident and integrate safety plans, policies and procedures in to daily activities.

Y0212 - Fire Officer II (40 Hours) Designed to meet NFPA 1021, 1997 for Fire Officer II. Throughout the course students will participate in various classroom activities, case studies and exercises to reinforce the presented material. Topics include: the making of laws and a look at Missouri fire statutes, human resource management including budget preparation, employee appraisal and media release information, handling multi-agency incidents, fire protection systems and occupancy classifications, process for conducting fire investigations and identifying unsafe work practices and taking appropriate actions to prevent reoccurrence. Students will be required to complete a class project due within 2 months after the conclusion of the course as well as a pre-course assignment that includes developing a public fire education presentation.

Y0305 - Incident Management System (20 Hours) Upon successful completion of this course, student shall be able to define command procedures, define division groups and sectors; describe the expansion of IMS; describe the difference between single and unified command; develop an IMS organization structure using predefined resources; describe command options; define the responsibilities of the logistic section chief; base, lobby control, stairwell/corridor support and communication managers; utilize appropriate forms for base, lobby and communications; explain responsibilities of first arriving units; explain the duties of the incident commander in determining resources; developing strategy and tactics, and prepare a tactical command worksheet given a simulated incident.

Y0306 - Advanced Incident Management System (24 Hours) Upon successful completion of this course, student shall be able to define command procedures, define division groups and sectors; describe the expansion of IMS; describe the difference between single and unified command; describe the communication responsibilities at the Division/Group or Sector level; utilize IMS forms for Sitstat and Restat; define the role of the staging manager; identify the benefits of staging; identify resources within staging; describe authorities and responsibilities of the Planning section; collect, analyze and utilize incident information; develop an incident action plan; develop incident demobilization plans; assess incident situation, conduct initial briefings, plan meetings, define the process for transfer of command; describe the duties of the Liaison Officer; identify types of information needed; describe the duties and responsibilities of the supervisory information officer; prepare a safety message for an Incident Action Plan; and prepare a safety briefing.

Y0307 - Command Staff Module of Y0306 Y0308 - Operations Module of Y0306 Y0309 - Logistics/ Finance Module of Y0306 Y0310 - Planning Module of Y0306

Y0312 - Intro to Emergency Management for the Fire Service (16 Hours) This course is designed to identify basic definitions, concepts and systems utilized within the emergency management discipline. The course includes identification of hazards and risks, activities found within the four phases of emergency management. It addresses federal, state and local roles and responsibilities in a major disaster, with an emphasis on government coordination and the solutions to complicated problems that frequently arise in disasters. This 2-day course is designed for fire fighters, local jurisdiction officials, emergency managers, volunteers and other emergency service personnel.

Y0313 - NIMS: Advanced Incident Command System (24 Hours) This course addresses the functions of command within an Incident Command System (ICS). The focus of this course is on activating the necessary elements on the prolonged incident and the various forms and documentation to assist in the incident. Discussion includes the responsibilities of each section chief and the various branch, division, group and unit leaders, and includes a short review of ICS and the National Incident Management System (NIMS). This course will provide a valuable command learning experience in a 'real-time' learning environment. The course is highly recommended for emergency response personnel interested in learning how to effectively operate within a fully functional incident command system.

Prerequisites: Participants are required to have completed either NIMS: ICS for the Fire Service or the Incident Management System course previously offered by MU FRTI.

ACE Credit Recommendation: 1 semester hour in the lower division baccalaureate/associate degree category, in Fire Service Technology, EMS Technology, Emergency Management, or Public Administration. (MU FRTI's Incident Management System course is a prerequisite.)

Y0314 - NIMS: Command and General Staff (16 Hours) This course builds upon the Advanced IMS series. The emphasis of this class is on the roles and responsibilities of section chief functions at major incidents. Each IMS section, Incident Commander, Planning Section Chief, Operations Section Chief, Logistics Section Chief, and Finance/Administration Section Chief, will be discussed in detail. As part of this course, an intense activity designed to expand the incident management system to its full potential will be included.

Prerequisites: Participants are required to have completed either an NWCG Level 300 course or NIMS: Advanced ICS from MU FRTI.

ACE Credit Recommendation: In the vocational and in the lower division baccalaureate/associate category, 1 semester hour in Fire Science, Fire Technology or Fire Administration.

Y0406 - Hazardous Materials Incident Response: Operations (24 Hours) Course is designed to enable emergency first responders to operate in a defensive mode, minimizing harm to people, property and the environment while maintaining their own safety. The course is broken into two modules. The first (16 hour) module is designed to be delivered in a classroom environment and contains lecture material and activities designed to prepare the responder to take defensive actions at the scene of a chemical emergency. The second (8 hour) module is designed to provide the students the opportunity to perform many of the defensive actions commonly taken by first responders at emergency scenes.

Y0409 - Hazardous Materials Incident Response: Awareness (8 Hours) This course will provide an overview to hazardous materials, identify responsibilities of awareness level first responders and describe the difference between hazardous materials incidents and regular emergencies. It will describe the various pieces of legislation affecting hazardous materials response and the effect legislation had on developing the hazardous materials standards of care. Recognition and identification of hazardous materials, including placarding, labeling, container shapes and the use of the Emergency Response Guidebook (ERG) are included. This course exceeds the requirements of OSHA 29CFR 1910.120 and meets NFPA 472, 2002 edition. This course is 8 hours.

Y0410 - Hazardous Materials Incident Response: Technician (40 Hours) This course addresses 29 CFR 1910.120 Subpart Q and NFPA Standard 472. Lecture/participation/ application of the following areas: hazards and risks, sources of assistance, personal protective equipment, haz mat terms, control and confinement, toxicology, decontamination, site safety practices, surveying instruments and assessment and mitigation. (The Missouri POST Program has approved this course for Approved Provider training credit, POST Control Number 706010949, for continuing education in the area of 24 hrs. Technical – 2 hrs. Interpersonal – 2 hrs. Legal – 12 hrs. Skill)

Prerequisites: Participants are required to have completed the MU FRTI Hazardous Materials Incident Response: Operations course.

ACE Credit Recommendation: In the lower division baccalaureate/associate category, 3 semester hours in Fire Safety Management, Fire Technology, Occupational Safety and Health, Environmental Safety and Chemistry.

Y0610 - Vehicle Rescue Technician: Auto (16 Hours) The vehicle rescue student, upon successful completion of this course, shall be able to establish scene control and successfully implement mitigation procedures in handling a vehicle rescue incident. This course meets NFPA 1001, and NFPA 1006.

Y0627 - Trench Rescue: Technician (16 Hours) This course will prepare emergency response personnel to perform rescue operations in trench and excavation emergencies of depths greater than 8 feet. The following topics will be covered: identifying the construction, application, limitations, and removal of supplemental sheeting and shoring systems; manufactured trench boxes and isolation devices; adjusting protective systems based on digging operations and environmental conditions; evaluating existing and potential conditions; coordinating the use of heavy equipment; and patient management. The course is designed to meet requirements of 29 CFR 1926 Subpart P, as well as Chapter 11.4, Technician Level, of NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents (2004) and Chapter 11, Trench Rescue, of NFPA 1006, Standard for Rescue Technician Professional Qualifications (2003). The curriculum for this course is from the Trench Operations curriculum from Jones and Bartlett Publishers. **Prerequisites:** Introduction to Technical Rescue and Trench Rescue: Operations.

Y0628 - Introduction to Technical Rescue (16 Hours) Fire departments and rescue teams commonly respond to incidents involving collapsed structures, confined spaces, water, auto, and industrial entrapments. These can be grouped into a category called technical rescue incidents, which requires personnel with specialized skills and equipment. Many factors can lead up to the need for technical rescue, such as, industrial and transportation accidents, extreme sports and even Mother Nature plays a role in the need with floods, earthquakes, tornadoes, and hurricanes that can trap and injure many people. This course will introduce rescue personnel to the basic needs to perform at technical rescue incidents and will address Chapter 5 of NFPA 1006, Rescue Technician Professional Qualifications, 2003 edition. The job performance requirements defined in this chapter must be met prior to certification as a Rescue Technician for any discipline. Participants of this class will learn rescue site operations, victim management, maintenance of equipment, and ropes and rigging through a combination of lecture, demonstration and practical skill exercises.

Y0629 - Rope Rescue: Technician (24 Hours) Technical rescues that involve differences of elevation may require the use of ropes to access and evacuate victims. Special skills and equipment are required for these types of incidents. This course will address Chapter 6, Rope Rescue, of NFPA 1006, Rescue Technician Professional Qualifications, 2003 edition. The advanced skills taught in this course include multiple point anchor systems, compound mechanical advantage systems, ascending and descending fixed rope systems, highline systems, and victim movement. **Prerequisite:** Introduction to Technical Rescue.

Y0630 - Confined Space Rescue: Technician (24 Hours) This course is designed to give participants working knowledge of the OSHA standard to facilitate operations with industry and other agencies involved with confined space rescues. Participants can expect to learn concepts and practical applications that will affect safe rescues in this unique and potentially hazardous situation. Class meets 29 CFR 1910.146 requirements, as well as, NFPA 1006, Standard for Rescue Technician Professional Qualifications, 2003 Edition. **Prerequisite:** Introduction to Technical Rescue.

Y0756 - Mobile Water Supply (12 Hours) The mobile water supply operations student, upon successful completion of this course, shall be able to demonstrate effective mobile water supply operations for non-existent or inadequate water supply systems.

Y0757 - LP Gas Emergencies (12 Hours) Using prior knowledge, information gained in class and fellow firefighter help, the student, given the necessary equipment and resources, shall demonstrate the correct technique for size-up, incident command, communications, apparatus placement, water resources, hose handling, water application, safe attack, safe withdraw, and incident termination of an incident involving LP Gas consistent with the information explained in this course. This course is 5-hour classroom, 3 hour practical and 4 hour culminating exercise for a total of 12 hours.

Y0758 - Rapid Intervention Team Tactics (12 Hours) The RIT student, upon successful completion of this course, shall be able to identify dangerous situations and describe the uses for a Rapid Intervention Team and successfully demonstrate the self-rescue techniques.

Y0759 - First on the Drug Scene - Awareness (40 Hours) This course teaches the awareness level competency for illegal meth lab so appropriate action, at acceptable risk, can be taken at meth lab incidents. This workshop presents the hazardous chemicals, site conditions, human actions and physical hazards commonly found at clandestine drug labs. Elements of this class include regulations, guidelines, review of meth lab chemical and physical hazards, typical sites, weapons and bobby traps, persons at the labs, interagency cooperation, and action plans to reduce the risk to the awareness level responders. This program provides specific training at the awareness level for persons who are competent under OSHA 29CFR1910 (q) to one of the four- responder levels: awareness, operations, technician, or incident commander.

Y0760 - First on the Drug Scene - Operations (12 Hours) This course teaches the operations level competency for illegal meth lab so appropriate action, at acceptable risk, can be taken at meth lab incidents. This workshop presents the hazardous chemicals, site conditions, human actions and physical hazards commonly found at clandestine drug labs. Elements of this class include regulations, guidelines, review of meth lab chemical and physical hazards, typical sites, weapons and bobby traps, persons at the labs, interagency cooperation, and action plans to reduce the risk to the operations level responders. This program provides specific training at the awareness level for persons who are competent under OSHA 29CFR1910 (q) to one of the four- responder levels: awareness, operations, technician, or incident commander.

Nebraska State Fire Marshal & State Fire Marshal Training Division

Y0753 - National Fire Incident Reporting System (NFIRS) Introduction and Application (6 Hours)

This course provides potential users the capability to work with the new incident reporting system and make determinations on its applicability to their organization. The participant will be able to identify benefits of the new system by understanding the purpose of each module, new categories and coding, structure of the handbook and quick reference guide, and module necessity per any particular type of incident. They will also work with private vendor software, utilizing the features of drop-down menus, point and click and auto-fill, and view the ease of completing incident reports. The participants will devote three hours to the new system, paper reporting, and utilization of the handbook; and three hours to computer data entry from incident scenarios on vendor software. (Private vendor software utilized is at the discretion of the presenter and State AHJ.)

New York State Fire Marshal & State Fire Marshal Training

Y0584 - The Rules Have Changed: Fire Fighters Guide To Lightweight Wood Construction (12 Hours) The purpose and intent of this course is to introduce the student to the special characteristics and considerations of Lightweight Wood Construction. Topics such as manufacturing methods, component awareness, fire performance and strategies and tactics pertaining to lightweight wood construction will be examined. Primary emphasis is on improving fire personnel's ability to recognize the presence of lightweight wood construction and the hazards related with it. Course material enables the student to recognize the dangers, operate safely and better predict the overall reaction of a building during fire conditions. The course includes three student activities. **Prerequisite: Firefighter I.**

North Carolina - Office of State Fire Marshal

Y0506 - Fire and Life Safety Educator I (36 Hours) This course will give a basic overview of the duties and responsibilities of the position of Educator Level 1 and describe how the work of the position is completed in a typical fire department. The student shall demonstrate the ability to coordinate and deliver community fire and injury prevention programs. The student will be trained how to select educational materials, will present a prepared program and utilize multiple presentation methods given prepared programs for various audiences. They will also demonstrate how to distribute educational information and how to work in cooperation with local media personnel. The course will review and document various fire and life safety educational programs, describe various formats, prepare written reports and discuss time management and organizational skills. Information will be presented on how to develop and maintain a work schedule and how to arrange meetings, presentations and events to reduce conflicts.

Y0507 - Fire and Life Safety Educator II (36 Hours) This course will detail methods and procedures to be used to establish public fire education and life safety prevention programs based upon local loss and injury data. Students will learn how to implement and evaluate programs, how to prepare a funding proposal, how to use human and material resources to deliver programs, how to develop educational materials based upon an identified issue or local concern, how to develop a detailed lesson plan, how to design and present the program to an audience, how to prepare a budget request and project program budget costs. It will also train the student in the details of the budget process as it's related to fire and injury prevention programs.

Y0508 - Fire and Life Safety Educator III (36 Hours) This course will train personnel in how to develop a fire and life safety program using the systematic planning process. They will become familiar with program issues and administration to include political issues and the use of the cost/benefit analysis method. They will learn to develop public policy and understand legislative procedures at the local, state, and national level. The students will learn to create original fire and life safety educational materials that relate to local issues. They will learn to create training and awareness programs to meet local identified fire and life safety needs. They will learn how to create a comprehensive report on programs and how to develop an evaluation instrument to measure the outcome of programs. The course will detail methods and procedures on how to create fire and life safety goals and objectives, mission statements and review loss statistics so that goals are consistent with the organization's mission. The student will create a program budget, as well as evaluate subordinate performance. The student will also demonstrate the ability to use local, state and federal employment regulations as they apply to personnel and organizations.

Y0603 - Emergency Rescue Technician (246 Hours) The Emergency Rescue Technician program meets or exceeds the NFPA Standard 1006, consisting of 23 modules, including hazardous materials awareness and operations. Course module hours can run from a minimum of 3 hours up to a maximum of 36 hours.

Y0653 - Fire Apparatus Driver/Operator (174 Hours) The Fire Apparatus Driver/Operator program meets or exceeds the NFPA Standard 1002, consisting of 7 modules for Pumps and 4 modules for Aerial. Course module hours can run from a minimum of 15 hours up to a maximum of 29 hours.

Oklahoma State University Fire Service

Y0116 - Fire Instructor I (40 Hours) The course prepares fire service instructors to deliver a training class from a prepared lesson plan. The course meets the requirements for NFPA 1041, Fire Instructor I. It is appropriate for company officers, training officers, and other instructors in the fire service. Topics addressed during the course include the role and responsibilities of the fire and emergency services instructor, adult learning theory and how it applies to emergency service training, the use of instructional methods to engage the student in the learning process, selection and use of instructional materials and audiovisuals, selection and use of lesson plans that are commonly available in the fire service, evaluating learning, and safety principles and methods used to ensure the safety of the student and instructor. The target audiences for this course are fire officers, fire fighters, EMTs, and others who are required to deliver fire and EMS training from prepared materials.

Y0117 - Emergency Services Instructor (40 Hours) This course prepares emergency services personnel to deliver a training class from a prepared lesson plan. The course meets the requirements for NFPA 1041, Fire Instructor I. It is appropriate for company officers, training officers, instructors in the fire service, EMS, emergency management or industrial fire protection. Topics addressed during the course include the role and responsibilities of the fire and emergency services instructor, adult learning theory and how it applies to emergency service training, the use of instructional methods to engage the student in the learning process, selection and use of instructional materials and audiovisuals, selection and use of lesson plans that are commonly available in the fire service, evaluating learning, and safety principles and methods used to ensure the safety of the student and instructor.

Y0217 - Fire Officer I (40 Hours) Fire Officer I provides the student with the basic skills and knowledge to effectively perform the duties of an acting officer or company officer in most municipal fire departments. The course uses discussions, review of situational videos, and group activities to build the desired skills and values that are needed by a company officer. The company meets the requirements for NFPA 1021 – Fire Officer I. Topics addressed include supervision methods and techniques for company level work groups, state and federal laws and standards which impact the company officer, application of department policies and procedures during non-emergency and emergency situations, coordinating multiple administrative tasks and functions, conducting an initial accident investigation, and ensuring the safety of assigned personnel.

Y0417 - Hazardous Materials First Responder Awareness (8 Hours) This course references NFPA 472 standard, Professional Competence of Responders to Hazardous Materials Incidents, 2002 edition. The goal of the competencies at the awareness level is to identify the possible release of a hazardous material, deny access and protect the public and other responders by controlling a scene, and make proper notifications that a hazardous materials release has occurred.

Y0418 - Hazardous Materials First Responder Operations (40 Hours) This course references NFPA 472 standards, Professional Competency of Responders to Hazardous Materials Incidents, 2002 edition. The Hazardous Materials First Responder - Operations Level course provides personnel, who have the responsibility to operate as a member of a team, the basic skills needed to evaluate and work defensively at an incident involving the release of hazardous materials. The objectives of the course are to teach participants: Knowledge of basic hazard and risk assessment techniques, knowledge of selecting and using proper personal protective equipment provided to the first responder operational level; knowledge of performing basic control, containment and/or confinement operations within the capabilities of the resources and personal protective equipment available; understanding of the relevant standard operating guidelines and termination procedures. **Prerequisite:** Hazardous Materials Awareness.

Oregon Fire Service Training

Y0658 - Driver/Pump Operator (32 Hours) This is intended to be a generic pumper operator course. At the conclusion of this course, the student will be able to walk up to almost any piece of fire apparatus equipped with a pump and be able to effectively pump water through fire hose.

Utah Fire Service Training

Y0114 - Fire & Emergency Services Instructor I (32 Hours) The Fire & Emergency Services Instructor I course is a 32-hour course (16 hours of self-paced cognitive learning and 16 hours of classroom). The primary emphasis in this course is placed on independent study, lecture, application, and evaluation of teaching/instructional methodology and instructional techniques that can be used to present educational information and psychomotor skills to fire service personnel.

Y0118 - Fire Service Instructor II Curriculum (32 Hours) This course builds on the foundation established in the Instructor I course to prepare the student to plan and develop lessons and programs for the purpose of delivering instruction; to supervise instructors and instruction and teach students in normal and hazardous learning environments; to develop examination methods and forms; and to develop and maintain a record and reporting system. Upon successful completion of this course, the student will be able to describe and define instructional terms and methods, describe concepts of learning, use reference materials and locate instructional resources, use various instructional methods and instructional support materials, evaluate programs and learning, supervise and train instructors and students, create and maintain records and reports, use appropriate and effective communication methods, and be aware of instructor roles and responsibilities. The program is based on the National Fire Protection Association Standard 1041, Fire Service Instructor Professional Qualifications, 2002 edition.

Y0419 - Hazardous Materials First Responder - Awareness Level (8 Hours) This course references NFPA 472 standard, Professional Competence of Responders to Hazardous Materials Incidents, 2002 edition. The goal of the competencies at the awareness level is to identify the possible release of a hazardous material, deny access and protect the public and other responders by controlling a scene, and make proper notifications that a hazardous materials release has occurred.

Y0420 - Hazardous Materials First Responder Operation Level (32 Hours) This course references NFPA 472 standards, Professional Competency of Responders to Hazardous Materials Incidents, 2002 edition. The Hazardous Materials First Responder - Operations Level course provides personnel, who have the responsibility to operate as a member of a team, the basic skills needed to evaluate and work defensively at an incident involving the release of hazardous materials. The objectives of the course are to teach participants: Knowledge of basic hazard and risk assessment techniques, knowledge of selecting and using proper personal protective equipment provided to the first responder operational level; knowledge of performing basic control, containment and/or confinement operations within the capabilities of the resources and personal protective equipment available; understanding of the relevant standard operating guidelines and termination procedures. **Prerequisite:** Hazardous Materials Awareness.

Y0764 - Wildland Firefighter I (40 Hours) This course is based on NFPA 1051, 2002 standard for Wildland Firefighter I. The curriculum used to meet this level is based on the National Wildland Coordinating Group (NWCG) material S-130, S-190, I-100, and L-180. This course focuses the student on the basic level for understanding how fire behaves in the outdoor environment being influenced by the weather, topography and the type of fuel that is involved. Successful completion of this course will qualify the student for basic "Red Card" certification at the Wildland Firefighter I (NFPA) Firefighter II (NWCG) level.

Other

Y0754 - Firefighter Line of Duty Death (LODD) (6 hours) - Developed by Training Resources and Data Exchange (TRADE) This course is designed to be presented to fire service supervisory, managerial and policy making/influencing personnel. One of the paths to reducing line of duty deaths is to understand the causes of the fatalities and discussing methods for eliminating line of duty deaths. Participants will look at the statistics, laws, regulations, standards, impacts, risk management, pre-incident planning, training safety, wellness concepts, and comprehensive incident management. All participants will receive a student notebook and directions to various model programs provided by fire agencies from throughout the country.