



Structural Fire Science Crosswalk

College credit is available for previous training completed through the International Fire Service Accrediting Council (IFSAC), Pro Board Fire Service Professional Qualification System (ProBoard), National Fire Academy, NM State Fire Academy, or other accrediting entity demonstrating alignment with applicable NFPA standards. Credit will be granted upon submittal of certificates for these courses and verification and approval of the Structural Fire Specialist. Prior Learning Assessment (PLA) credit is granted at the discretion of the college and its designated agents; the college reserves the right not to accept any previous training or experience as credit

Course	Title	Credits	Brief Description	Credit will be granted for courses listed below if approved
FIRE 103	Fire Protection Hydraulics and Water Supply	3.0	This course provides the student the basics of water supply, through hydrants, drafting and water shuttles. The course will introduce the student to the basic skills and knowledge required to operate a fire pump that provides the necessary water supply while maintaining the mechanical soundness of the pump. The student shall learn the necessary skills and abilities to obtain water from sources other than hydrants at the fireground, and operate a tanker shuttle to provide adequate water supply for firefighting operations.	IFSAC Pump OPS Driver/Operator (Pumper) or ProBoard Pump Operations.
FIRE 105	Fire Investigation	3.0	This course provides the student with education and training to develop and enhance the fire investigator student's ability to consistently conduct a proper fire investigation. This course will focus on the relationship between the NFPA 921 and NFPA 1033, the identification of fire patterns, methods of evidence collection, documenting the fire scene, and utilizing the Scientific Method of Fire Investigation. This course is designed to meet all requirements of NFPA 1033, Standard for the Professional Qualifications of Fire Investigators.	IFSAC Fire Investigator 1 or IAAI - FIT or CFI or NAFI - CFEI or NFA Fire/Arson Investigation.
FIRE 114	Fire Command Strategies and Tactics	3.0	This course examines strategies and tactics from the incident commander's viewpoint. The student will be challenged with decision making through a variety of occupancies as the student utilizes basic firefighting procedures and considerations from today's fire service. This course explores the company officer's role on the fire ground. Areas of study include fire behavior, truck company functions, engine company functions, safety, pre-fire planning and hazardous materials response.	NFA Strategies and Tactics or ICS 100/200/300/400/700 and IFSAC Fire Officer 1.

FIRE 117	Hazardous Materials Awareness and Operations	3.0	This course provides the student with the education and skills to operate at a Hazardous Materials Incident at the Awareness and Operations Level, as outlined in NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120. This course provides the student with the basic skills and abilities to identify hazardous materials, how to immediately address spills, leaks, and fires at hazardous materials incidents, and how to set-up and maintain a decontamination line/team to support hazardous materials technicians during large operations.	IFSAC Hazardous Materials A/O or ProBoard Haz Mat A/O or CDC HazMat A/O or other accredited course which meets or exceeds the requirements of NFPA 472 and Code of Federal Regulations (CFR) 1910.120 (q)(6)(ii) for Operations-level personnel.
FIRE 119	Basic Auto Extrication	3.0	This course introduces the student to the basic concepts and skills of motor vehicle components, motor vehicle stabilization, motor vehicle extrication, and safety while operating within a motor vehicle accident scene.	IFSAC Vehicle Extrication or ProBoard Vehicle Extrication.
FIRE 121	Fire Service Administration 1	3.0	This course introduces the student to the duties and responsibilities of an entry level fire officer. This course provides the student with elementary concepts of leadership and basic management styles, company operations, and administration at the first-line supervisory level. Topics include human resource management, organization structure, and public relations and budget management. Upon successful completion of this course, the student will be able to find ways 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, per NFPA Standard 1021, Fire Officer Professional Qualifications.	IFSAC Fire Officer 1 or ProBoard Fire Officer 1.
FIRE 122	Fire Service Administration 2	3.0	This course provides the students with a more in-depth study of management principles, theories and techniques for leadership in a fire department. Topics include oral and written communications, group dynamics and safety practices relating to the fire service. This course is designed to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications.	IFSAC Fire Officer 2 or ProBoard Fire Officer 2.
FIRE 124	Fire Service Instructor 1	3.0	This course educates the students to be fire service instructors, including how to organize and teach a course effectively using existing lesson plans. This course educates the student on how to be more proficient in his or her work and how to use available resources. Also covers how to develop outlines, prepare classes, evaluate students and prepare tests. The student will participate in practice teaching, and be expected to be proficient in basic educational delivery prior to completion.	IFSAC Fire Instructor 1 or ProBoard Fire Service Instructor 1.

FIRE 125	Fire Service Instructor 2	3.0	This course educates the student to use instructional methodologies that address various learning styles and teaching methods, and to plan and develop lessons and programs for the purpose of delivering instruction. Upon successful completion of this course, the student will be able to describe and define instructional terms; use reference materials; use various instructional methods and techniques; use instructional materials and aids; evaluate learning; maintain training records and reports; describe concepts of learning; use communications methods and skills; and be aware of instructor roles and responsibilities. This course is designed to train the student as outlined in NFPA 1041, Fire Service Instructor Professional Qualifications.	IFSAC Fire Instructor 2 or ProBoard Fire Service Instructor 2.
FIRE 152	Advanced Fire Behavior and Combustion	3.0	This course will provide the student with an advanced understanding of the underlying principles involved in the movement and spread of structural fires. This course shall include and understanding of the effects of building construction, ventilation, and furnishings, as well as examine the dynamics of ignition, flame spread, and room fire growth and development. Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120.	IFSAC LPG and IFSAC Flammable Liquid Emergencies.
FIRE 154	Principles of Code Enforcement	3.0	This course provides the student with study focus on fire prevention through inspection, code enforcement, the use of model building and fire prevention codes, including detailed information on the legal, economic, and political aspects of the fire inspection process.	IFSAC Fire Inspector 1 or ProBoard Fire Inspector 1 or ICC Fire Inspector 1
FIRE 156	Fire Protection Systems	3.0	This course provides the student with a focused study of the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers. This course provides the student with advanced level training regarding the operation, maintenance, and testing of Fire Protection Systems.	NMFTA Fire Protection Systems or NFA Fire Protection Systems or ICC Installed Fire Protection Systems or ProBoard Installed Fire Protection Systems
FIRE 204	Structural Firefighting Tactics and Strategies	3.0	This course is provides the student with a comprehensive understanding of structural fires and suppression tactics. This course introduces the student to essential subjects such as Fire Flow Formulas, Offensive and Defensive Attacks, Strategy and Tactics, Direct and Indirect Attacks, Incident Command System, and Fire ground Evolutions.	NMFTA Structural Firefighting Tactics and Strategies or ProBoard Advanced Fire Suppression Techniques

	Structural Firefighter I w/Lab	6	This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.	IFSAC FireFighter 1 or Pro Board FireFighter 1
	Structural Firefighter II w/Lab	6.0	This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.	IFSAC Firefighter 2 or ProBoard Firefighter 2
	Occupational Safety and Health for Emergency Services	3.0	This course provides the student with an introduction into the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk and hazard evaluation and control procedures for emergency service organizations.	NMFTA, OSHA, or FESHE approved Fire Service OSHA Course
	Hose and Hydrant Testing	1.5	This short course provides the student with the skills and knowledge to understand the theory and practical skills necessary for hose and hydrant testing according to NFPA standards. Class will include documentation methods of testing and proper calculation of flows.	NMFTA approved Hose and Hydrant Testing Course
	Intro to Origin and Cause Determination	1.5	This course provides the student with education that explores the analytical and systematic approach relating to fire scene investigations involving crime scenes, accidental causes, and the collection of evidence. This course is designed to provide the entry level student with the basic education needed to conduct and origin and cause determination, preserve evidence, and collect data relevant to basic fire causes, as outlined in NFPA 1001, 1021, and 1033. This course will assist in preparing you for contemporary methods of fire investigations.	NMFTA Origin and Cause Determination or IAAI Origin and Cause Determination or ProBoard Origin and Cause Determination or NFA Origin and Cause Determination for First Responders
EMS 111	EMT - Basic	10.0	Provides and introductory survey of emergency medical services with emphasis on intermediate care, aid and transportation of the sick and injured. .	Current NREMT EMT License or Current NM EMS License