

Fire Service Technology

- FST 111 Introduction to the Fire Service 3-0-3**
Provides an overview to fire service; career opportunities in fire protection and related fields; philosophy and history of the fire service; fire loss analysis; organization and function of public fire protection services; fire departments as part of local government; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics.F
- FST 112 Command Officer Management I 3-0-3**
One of two management courses required for Illinois certification as a Fire Officer I. Presents a basic course to help individuals develop the skills needed to supervise and direct personnel and manage resources at the company level. Prepares student for certification as Fire Officer I.FE
- FST 114 Fire Prevention Principles 3-0-3**
Provides basic information about fire prevention activities conducted by the fire department.SO
- FST 115 Tactics and Strategy I 3-0-3**
Survey of fire suppression companies; basic elements of fireground tactics and organization; manpower, apparatus, equipment, and systems utilization. Emphasis on preplanning fireground organization and decision making for the company officer.SO
- FST 116 Basic Operations Firefighter I 3-0-3**
Cognitive training needed to operate safely and effectively on the fire ground. Basic job requirements for an entry level firefighter. Topics discussed include history of the fire service, safety and health, building construction, and fire behavior.
- FST 117 Pump Operator (FAE) 3-0-3**
Theoretical and practical hydraulics, maintenance procedures, and apparatus testing used by fire departments. Apparatus operators. Qualifies firefighters for OSFM Certification as a Fire Apparatus Engineer.F
- FST 118 Fire Service Instructor I 3-0-3**
Methods of classroom instruction. Lesson plans and human relations in the teaching-learning environment.SO
- FST 130 Civilian/Law Enforcement Bypass Course 3-0-3**
Required by the Office of the State Fire Marshal for certification of civilians as fire prevention officers and law enforcement officers as fire investigators. Emphasizes baseline fire science knowledge not possessed by civilians.F S Su
- FST 132 Basic Operations Firefighter II 3-0-3**
Cognitive training needed to operate safely and effectively on the fire ground. Basic job requirements for an entry level firefighter. Topics discussed include ladders, hose, appliances, nozzles, fire streams, water supply, master streams, forcible entry, and ventilation.
- FST 152 Basic Operations Firefighter III 3-0-3**
Cognitive training needed to operate safely and effectively on the fire ground. Basic job requirements for an entry level firefighter. Topics discussed include search, rescue, fire control, loss control, wildland firefighting, installed systems, firefighter survival, RIT team operations, prevention, public education, cause, and origin.
- FST 210 Hazardous Materials Operations 3-0-3**
Systems approach to storage, transportation, and handling of hazardous materials, flammable liquids, combustible solids, oxidizing and corrosive materials, and radioactive compounds. Use of reference sources on various hazardous materials. Emphasis on control of hazardous materials incidents.F
- FST 212 Command Officer Management II 3-0-3**
One of two management courses required for Illinois certification as a Fire Officer I. Provides management principles and techniques used by mid-level managers and chief officers in the fire service and emphasizes principles of time management, decision making, motivation, and delegation.SO
- FST 215 Fire Fighting Strategy and Tactics II 3-0-3**
Strategic concepts in fire fighting, locations of fire fighting resources, tactics emphasizing use of operational plans, and pre fire plans. Establishment of command for operational control and use and control of mutual aid during multiple emergencies or simple catastrophic fires or disasters.SE
- FST 218 Fire Service Instructor II 3-0-3**
Methods of classroom instruction structured to provide information about writing performance objectives, developing lesson plans, and methods of testing and evaluating students.SE
- FST 234 Command Officer Management III 3-0-3**
One of two management courses required for Illinois certification as a Fire Officer II. Provides management principles and techniques used by mid-level managers and chief officers in the fire service. Principles of public relations, labor relations, administrative liability, and personnel management emphasized.FO
- FST 235 Command Officer Management IV 3-0-3**
Prepares the fire officer to develop budgets, evaluate subordinates, maintain records, conduct public relations, and develop fire department rules and Standard Operating Procedures.SE
- FST 250 Fire and Emergency Management Computer Systems 2-2-3**
Fire and Emergency Services information management systems, system analysis techniques, data processing concepts, terminology, equipment, and applications. Hands-on experience with microcomputers including software packages for data analysis and emergency management applications. Prerequisite: MAT 086, MAT 098, or placement. F S Su
- FST 251 Fire Inspector I 3-0-3**
Course required for Fire Inspector I state certification. Authority of fire prevention responsibilities including inspection procedures; plans review; fire hazard recognition; installed systems familiarization; building construction, occupancy classification; site access and means of egress

considerations; and emergency planning. FE

FST 253 Public Fire and Life Safety Educator

3-0-3

Provides the Public Fire/Life Safety Educator I component required for certification as Fire Prevention Officer I by Office of State Fire Marshal. Also provides Public Information Officer and Juvenile Fire-Setter Intervention Specialist I certification.

Content subject to change. Please check the college catalog before finalizing your schedule.