

# FIRE SERVICE ADMINISTRATION (FIRE)

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## **FIRE 101 - Fire Protection Systems (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 101)

Provides information relating to the design features and operation of fire alarm systems. Design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, special hazard fire suppression systems, water supply for fire protection, and evaluation of sprinkler system designs will be examined.

## **FIRE 103 - Fire Investigation and Analysis (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 103)

Examines technical, investigative, legal, and managerial approaches to arson. Includes the fundamentals needed for proper fire science interpretation, recognition of origin and cause, preservation and documentation of evidence, scene security, motives of the fire setter, and types of fire causes.

## **FIRE 105 - Fundamental Topics of the Modern Fire Service (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 105)

Examines the history of the fire problem in the U.S., describes how the fire and rescue service has adapted over time, and explores the evolving transition from a traditional, fire-based mitigation approach to an all-hazards response methodology. Introduces the student to the organization and management of mainstream fire and rescue organizations, and how they interface with other public safety sectors, governmental agencies, and their local communities. Discusses basic hazard mitigation strategies and tactics, various extinguishing agents and systems available for fire suppression, risk identification and evaluation, and incident management and accountability. Explores statutes and regulations affecting service deliverables while enhancing personnel safety, including the 16 Fire Fighter Line Safety Initiatives. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

## **FIRE 107 - Disaster Planning and Response (3)**

*Prerequisite: ENGL 70 or (ESOL 70 and ESOL 71) OR Prerequisites or Co-requisites: ENGL 75 or ESOL 100*  
(formerly FSA 107)

Examines concepts and principles of community planning and response to fire, emergency, and natural disasters, including the Incident Command System (ICS), mutual aid and automatic response, training and preparedness, communications, hazardous materials planning, and disaster recovery. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

## **FIRE 201 - Fire and Emergency Services Administration (3)**

*Prerequisite: FIRE 101; Prerequisite or Co-requisite: ENGL 101*  
(formerly FSA 201)

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. New technologies, changing organizational structures, personnel and equipment, municipal fire protection planning, manpower and training, and financial management are examined. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.