



FSA Associate Degree Courses

FSA 1101 Building Construction and Fire Protection

Course Description: This course provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. Prerequisites: none.

FSA 1101 Course Outcomes

- CO1. Identify various classifications of building construction.
- CO2. Understand theoretical concepts of how fire impacts major types of building construction.

FSA 1102 Fire Behavior and Combustion

Course Description: This course explores the basic principles of fire chemistry, the process of fire combustion, and fire behavior. The subject of fire behavior is often a complex one, and this course will seek to clarify theoretical concepts, explain their importance, and illustrate how they can be applied in a practical way when responding to emergency situations. Prerequisites: CHEM 1100 or CHEM 1101 or CHEM 1111.

FSA 1102 Course Outcomes

- CO 1. Students will identify the fundamental theories of fire behavior and combustion.
- CO2. Students will Differentiate the various types of extinguishing agents.

FSA 1103 Fire Protection

Course Description: This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. Prerequisites: none.

FSA 1103 Course Outcomes

- CO1. Students will Identify laws, codes, ordinances, and regulations as they relate to fire prevention.
- CO2. Students will understand code enforcement as it impacts life and property loss.



FSA 1105 Fire Protection Systems

Course Description: This course provides information relating to 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. Prerequisites: none.

FSA 1105 Course Outcomes

- CO1. Students will identify and describe various types and uses of fire protection systems.
- CO2. Students will describe the basic elements of a public water supply system as it relates to fire protection.

FSA 1106 Principles of Emergency Services

Course Description: 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. Prerequisites: none.

FSA 1106 Course Outcomes

- CO1. Students will understand the history of the fire service.
- CO2. Students will describe the components and development of the fire and emergency services.
- CO3. Students will recognize careers in fire and emergency services.

FSA 1107 Principles of Fire and Emergency Services Safety and Survival

Course Description: This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. Prerequisites: none.

FSA 1107 Course Outcomes

- CO1. Students will identify and explain the 16 life safety initiatives.
- CO2. Students will understand the concepts of risk management and mitigation as it pertains to emergency services.



FSA 2201 Fire Administration I

Course Description: This course provides a foundation of theoretical and past practice knowledge in order to understand the principles of leading and managing in today's fire service. Prerequisites: none.

FSA 2201 Course Outcomes

- CO1. Students will describe the basic theories of public sector management.
- CO2. Students will recognize the importance of ethics and communication skills.
- CO3. Students will articulate and demonstrate the importance of the public policy process, responsibility, and authority.

FSA 2202 Legal Aspects of the Fire Services

Course Description: Ability to analyze Federal, State, and local laws and consensus standards as they pertain to the fire service. Prerequisites: none.

FSA 2202 Course Outcomes

- CO1. Students will gain the ability to analyze Federal, State, and local laws and consensus standards as they pertain to the fire service.

HSEM 1125 Leadership and Influence

Course Description: Students will determine how to assess differences in personal values and interpersonal influence styles, and to apply situational behaviors in homeland security and emergency management. Students explore contemporary models of leadership, develop a personal philosophy of leadership, and test their philosophy against practical experiences. The course provides a forum where students identify and consider their own character, personal values, and workplace ethics. Topics include leadership and influence, character traits and values, conflict management, use of power, ethical leadership, and group dynamics. Prerequisites: none.

HSEM 1125 Course Outcomes

- CO 1. Students will gain through self-assessment questionnaires an awareness of their own leadership philosophy, traits, skills, and behaviors.
- CO2. Students will gain through real-world observation exercises an understanding of the fundamental ways leadership is practiced in on-going organizations.
- CO3. Students will gain through reflection and action activities an understanding and appreciation for the unique dimensions of their own leadership style, their strengths and weakness, and ways to improve what they do as leaders.