

# Fire Service Admin (FSA)

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## Courses

### ***FSA 1101 Building Construction for Fire Protection: 2 semester hours.***

Components of building construction related to fire and life safety. Firefighter safety, elements of construction and design of structures, building inspection, preplanning fire operations, and operating at emergencies. D

### ***FSA 1102 Fire Behavior and Combustion: 2 semester hours.***

Theories and fundamentals of fire: start, spread, and control. D

### ***FSA 1103 Fire Prevention: 2 semester hours.***

Comprehensive 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 relationships of fire prevention with built-in fire protection systems, fire investigation, and fire- and life-safety education. D

### ***FSA 1105 Fire Protection Systems: 2 semester hours.***

Design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. D

### ***FSA 1106 Principles of Emergency Services: 2 semester hours.***

Overview of fire protection. Includes philosophy and history of fire protection; 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; fire strategy and tactics. D

### ***FSA 1107 Principles of Fire and Emergency Services Safety and Survival: 2 semester hours.***

This course introduces the basic principles and history of the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. D

### ***FSA 1125 Leadership and Influence: 3 semester hours.***

Students will determine how to assess differences in personal values and interpersonal influence styles, and to apply situational behaviors in fire services administration. 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. D Equivalent to HSEM 1125

### ***FSA 1199 Experimental Course: 1-6 semester hours.***

The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.

### ***FSA 2202 Legal Aspects of the Emergency Services: 2 semester hours.***

Federal, State and local laws that regulate emergency services, national standards influencing emergency services, standard of care, tort, liability, and a review of relevant court cases. D

### ***FSA 2296 Independent Study: 1-8 semester hours.***

Addresses specific learning needs of individuals for the enhancement of knowledge and skills within the program area under the guidance of an instructor. May be repeated. Graded S/U, or may be letter-graded. D

### ***FSA 2298 Special Topics: 1-8 semester hours.***

Addresses the specific needs of industry, enabling students to upgrade technical skills that are not included in the current program curriculum. May be repeated. Graded S/U, or may be letter-graded. PREREQ: Permission of instructor. D

### ***FSA 2299 Experimental Course: 1-6 semester hours.***

The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.

### ***FSA 3301 Fire Science Integration: 3 semester hours.***

This course is an integration course delivered through Idaho State University. The purpose is to take a student who has completed the Associate of Applied Science (AAS) in Fire Science or Associate of Applied Science (AAS) in Fire Service Technology and prepare them for the Bachelor of Science (BS) degree program in Fire Services Administration at Idaho State University. This course is designed to take the student who has the technical foundation learned in the AAS program and prepare them for the critical thinking necessary in the BS program. AAS students who wish to pursue the Bachelor of Science in FSA must take FSA 3301 Fire Science Integration. FSA 3301 is waived for students who have completed an AS or BS degree. FSA 3301 is designed for students who have an AAS in Fire Science. PREREQ: permission of instructor. D

### ***FSA 3323 Fire and Emergency Services Administration: 3 semester hours.***

Organization and management in the fire services, including new technologies and changing organizational structures, personnel functions, manpower and training, statistics and reporting systems, and the managing of finances and other resources. D

### ***FSA 3324 Analytic Approaches to Public Fire Protection: 3 semester hours.***

Introduction to systems analysis procedures and applications in fire protection, including systems thinking, statistical analysis, concepts and their application, system models, gathering and presenting data, fire incident analysis, financial analysis, performance surveys, using results, and public fire protection. D

### ***FSA 3325 Personnel Management for the Fire Service Administrator: 3 semester hours.***

Relationships and issues in personnel administration and human resource development within the context of fire-related organizations. D

### ***FSA 3326 Fire Prevention Organization and Management: 3 semester hours.***

Techniques, procedures, programs, and agencies involved with fire prevention, including concepts of fire prevention, governmental and non-governmental fire prevention functions, organizing fire prevention efforts, fire safety-related codes, effective fire inspection, and evaluation of fire safety efforts. D

### ***FSA 3327 Fire-Related Human Behavior: 3 semester hours.***

Human behavior in fires and disasters, arson, fire fighting, code compliance, and public fire education. Includes individual and group response during fire emergencies, fire's impact on individuals, families and the community, juvenile fire setters, arson, special populations, and the psychological impact of fire. D

### ***FSA 3328 Disaster Planning and Control: 3 semester hours.***

Concepts and principles of community risk assessment, planning, and response to fires and natural disasters. Introduction to disaster and fire defense planning, fire department disaster planning, the incident command system, mutual aid and automatic response, and training and preparedness. D

### ***FSA 3329 Political and Legal Foundations of Fire Protection: 3 semester hours.***

Legal, political and social aspects of the government's role in public safety, including the American legal system, legal processes, legal basis for the fire service, tort liability, negligence and fire suppression, safety, negligent operation, and the legal basis for fire safety regulation. D

***FSA 3330 Fire Protection Structures and Systems: 3 semester hours.***

Design principles involved in structural fire protection and automatic suppression systems, including fire protection of buildings, fire resistance and endurance, computations and evaluation procedures for fire resistance, flame spread evaluation, and smoke production by burning materials. D

***FSA 3331 Community Risk Reduction for Fire and Emergency Services: 3 semester hours.***

Community sociology, the role of fire-related organizations within the community, and their impact on the local fire problems. Introduction of community sociology, the changing nature of fire threat, and fire service relationships within the community. D

***FSA 3332 Fire Investigation and Analysis: 3 semester hours.***

Examines technical investigative, legal and management approaches to the arson problem. Topics include an introduction to the principles of incendiary fire analysis, chemistry of fire, fire propagation and development, incendiary fire susceptibility, incendiary fire motivation, psychological and social motives. D

***FSA 3333 Applications of Fire Research: 3 semester hours.***

Rationale for conducting fire protection research activities and applications, including fire dynamics and fire safety properties, fire test standards and codes, fire modeling, structural fire safety, automatic detections and suppression, life safety, transportation fire hazards, risk analysis and loss control, firefighter health and safety, fire service applied research. D

***FSA 3334 Fire Dynamics: 3 semester hours.***

Fire dynamics within the context of fire fighting, including chemistry, physical processes and fluid dynamics, fire and combustion, explosions, ignition and flame spread, flames and fire plumes, suppression, fire dynamics applications to building codes and large-loss fires, special hazards, and fire modeling. D

***FSA 3335 Management of Emergency Medical Services: 3 semester hours.***

An overview of the management of emergency medical services including organization, budget determination, purchasing and communication. Emphasis on directing and delegation of decision making including managing stress. D

***FSA 3336 Managerial Issues of Hazardous Materials: 3 semester hours.***

Federal and state regulations concerning hazardous materials, including health and safety, the hazardous materials management system, the incident command system, politics of hazmat incident management, site management and control, hazard and risk evaluation, personal protective clothing and equipment, and information management. Equivalent to EMGT 3306. D

***FSA 4401 Fire Service Ethics: 3 semester hours.***

This course examines the basic principles of ethics as related to fire service operations and management with special attention given to current issues in the fire services. D

***FSA 4409 Practicum-Internship: 3 semester hours.***

Supervised experience in fire service administration in a variety of command levels and responsibilities. Open to degree candidates only. The FSA Internship is required for students with less than 5 years in the Fire Services. Graded P/NP.

***FSA 4496 Independent Study: 1-6 semester hours.***

Study of problems selected by students and faculty. May be repeated for up to 6 credits. D

***FSA 4498 Special Topics: 1-6 semester hours.***

Rotating review of topics dealing with issues in Fire Services Administration. May be repeated for up to 6 credits with different course topics. D