

Fire Services Administration

The Fire Services Administration program's BA/BS degree requirements provide for a major built upon an associate degree in fire protection science or a professional- technical core fire science curriculum available from most community college fire programs. Core lower-division courses are available online through the EOU FSA program. Transfer students: Completion of an associate's degree in a fire science or fire protection technology or a related fire program should allow the transfer student to graduate within 2 years.

FSA courses required by the Oregon Department of Public Safety Standards and Training (DPSST) for Firefighter III & IV certification. Course objectives and outcomes correspond to the standards published in NFPA 1021, Standard for Fire Officer Professional Qualifications, chapters 6 & 7 (2014 Edition).

All core EOU Upper Division FSA classes are offered online at least twice per year, usually on alternating terms (summer/ winter & spring/fall rotations). FSA electives are generally offered at least once per year. Upper division courses in the FSA program are occasionally offered as on-site weekend hybrid courses in Eastern Oregon, Southern Oregon and the Portland region. By agreement, EOU accepts fire service courses taken through WOU's former FSA program and they are applied as residency credit. EOU APEL & ASL credits count towards residency at EOU.

EOU APEL credit is determined by the EOU FSA program chair. ASL (Agency Sponsored Learning, aka: professional training related to the discipline) may also be available on a case-by- case basis. Training not currently in the EOU ASL catalog will be evaluated for credit by the EOU FSA program chair. Submission of training for credit does not guarantee credit will be granted. Please contact the FSA program chair for more information.

REQUIREMENTS FOR THE BA OR BS IN FIRE SERVICES ADMINISTRATION

- All students, including those with an Associate Degree in Fire Science / Fire Protection Technology or related degree, must complete the lower division fire technology core curriculum or equivalents:

Introduction to Fire Protection (3)
 Major Emergency Tactics and Strategy (3)
 Fundamentals of Fire Prevention (3)
 Building Construction for Fire Suppression (3)
 Fire Department Leadership (3)
 Fire Protection Systems & Extinguishers (3)
 Fire Codes and Ordinances ()
 Firefighters Law (1-3)
 Fire Department Budgets (1-3)
 Public Relations (1-3)

EOU's Fire Services Administration program strongly encourages substantial firefighting

experience training equivalent to the Firefighter II designation. The FSA program chair determines all lower division course equivalencies. Waivers may be granted at the discretion of the FSA program chair.

- Upper division Professional Core "Institute" Courses (24 quarter credit hours)
 - Complete the following required courses with a grade of "C-" or better.
 - FSA 307** Emergency Services Delivery (3)
 - FSA 309** Fire Investigation & Analysis (3)
 - FSA 311** Prin Fire Protection Mngmnt (3)
 - FSA 313** Personal Mgt Fire/Emerg Svc(3) *UWR*
 - FSA 315** Organization Fire Protection (3)
 - FSA 317** Fiscal Mngmnt Fire Protection (3)
 - FSA 319** Political & Legal Foundations of Fire Protection (3)
 - Advanced Institute Capstone (3)
 (Choose one from one of seven 400+ level Advanced Institutes, which are available both onsite and online)
- Upper division elective coursework in Business, Social Science, Psychology, Political Science, Economics, and Communications (27 quarter credit hours)
- Complete institutional graduation requirements including:
 - Students must successfully complete the institutional math requirement with a grade of "C-" or better.
 - Students must meet the University Writing Requirement for the FSA Major.
 - For the Bachelor of Arts degree, the student must demonstrate foreign language proficiency.
- Grade point average: Minimum of 2.00 GPA in the major and a minimum of 2.00 in all college work.

Note: See additional institutional graduation requirements in this catalog or on the FSA Degree Program checklist.

FIRE SERVICES ADMINISTRATION COURSE DESCRIPTIONS

FSA 202 - Principles of Emergency Services (Credits: 3)

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 a 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.

FSA 204 - Fire Protection Systems (Credits: 3)

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.

FSA 206 - Fire Behavior and Combustion (Credits: 3)

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

FSA 210 - Selected Topics (Credits:1 to 6)

Selected topics. An in-depth review of a current issue in Fire Service Administration. Consent of instructor. Repeatable.

FSA 212 - Fire Prevention (Credits: 3)

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization and operation of fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation.

FSA 214 - Building Construction for Fire Protection (Credits: 3)

This course provides the components of building construction related to firefighter and life 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: FSA 202 Principles of Emergency Services

FSA 216 - Principles of Emergency Services, Safety and Survival (Credits: 3)

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.

FSA 307 - Emergency Services Delivery (Credits: 3)

Explores multi-agency planning, deployment and operations as they relate to multi-alarm incidents, target hazards and major disasters. Student must have at least sophomore standing to register for this course.

FSA 309 - Fire Investigation & Analysis (Credits: 3)

This course examines the technical, investigative, legal, and social aspects of arson, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson,

legal considerations, intervention, and mitigation strategies. Student must have at least sophomore standing to register for this course.

FSA 311 - Principles of Fire Protection Management (Credits: 3)

An investigation of management and supervisory responsibilities including motivation, discipline, human relations, training, communications, followership, planning, leadership, and management-employee relations. Student must have at least sophomore standing to register for this course.

FSA 313 - Personnel Management for Fire & Emergency Services (Credits: 3)

Institutional Graduation Requirement – UWR

This course examines relationships and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining. Student must have at least sophomore standing to register for this course.

FSA 315 - Organization for Fire Protection (Credits: 3)

To develop an understanding of fire department organization including fire defenses and insurance ratings, organization for fire suppression and prevention, the fire department and the municipality, and inter-municipality fire services. Student must have at least sophomore standing to register for this course.

FSA 317 - Fiscal Management (Credits: 3)

The budget process, taxation and assessment, operations planning, financial aid and grant programs, allotment of resources, analysis of expenditures and productivity, and management information systems. Student must have at least sophomore standing to register for this course.

FSA 319 - Political & Legal Foundations of Fire Protection (Credits: 3)

This course examines the legal aspects of the fire service and the political and social impacts of legal issues. This course includes a review of the American legal system and in-depth coverage of legal and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and legislative and political processes with regard to the fire service. Student must have at least sophomore standing to register for this course.

FSA 326 - Fire Prevention Organization & Management (Credits: 3)

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection and plans review, fire investigation, research, master planning, various types of influences, and strategies. Student must have at least sophomore standing to register for this course.

FSA 331 - Community Risk Reduction for the Fire & Emergency Services (Credits: 3)

This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk education plan. Student must have at least sophomore standing to register for this course.

FSA 336 - Managerial Issues in Hazardous Materials (Credits: 3)

This course presents current issues in management of a department-wide hazardous materials program. It includes issues that are pertinent to officers and managers in public safety departments, including regulations and requirements for hazardous materials preparedness, response, storage, transportation, handling and use, and the emergency response to terrorism threat/incident. Subjects covered include state, local, and federal emergency response planning, personnel and training, and operational considerations such as determining strategic goals and tactical objectives. Student must have at least sophomore standing to register for this course.

FSA 345 - Multiculturalism in Emergency Services (Credits: 5)

Institutional Graduation Requirement – DPD

This course examines how multiculturalism affects every aspect of our society and its impact on the emergency services workforce. This course provides an extensive familiarization with communication styles, customs, language and behavioral patterns of various cultures, ethnic groups and other dimensions of diversity. The course addresses cultural competency relevant to emergency services operations and administration. Students taking this class will analyze effective workforce multicultural and diversity strategies in decision making and daily activities as it relates to groups employed by and encountered by emergency services professions. Student must have at least sophomore standing to register for this course.

FSA 360 - Aviation Management in Fire Suppression (Credits: 3)

This course examines aviation resource use in the Wildland/ urban interface environment, hazard/risk analysis and mitigation techniques, multiagency aviation resource acquisition and deployment planning, aviation asset utilization in suppressing wildfire, multiagency Incident Command System, basic fire behavior, dispatching of aviation resources, multiagency aviation policies, procedures and implementation of aviation assets, analysis of aviation programs within the fire community, aviation communication techniques and procedures, command/control dynamics, strategic and tactical considerations, support and supervision procedures, and aviation program evaluation. Student must have at least sophomore standing to register for this course.

FSA 407 - Seminar (Credits: 1 to 15)

Student lecture and written paper on fire, EMS or emergency management topics. Prerequisite: Consent of instructor. Repeatable.

FSA 409 - Practicum (Credits: 1 to 15)

A practical internship with local/regional partners in work related to the Fire Service, EMS, or Emergency Management. Students will gain practical experience while also completing a scholarly component agreed to between the student, practicum advisor and the student's field advisor. Prerequisites: Consent of instructor.

FSA 410 - Selected Topics (Credits: 1 to 6)

An in-depth review of a current issue in Fire Service Administration, EMS Administration, or Emergency Management intended to enhance a student's knowledge and understanding of relevant current events. Prerequisites: Consent of instructor. Repeatable.

FSA 411 - Management Information Systems (Credits: 3)

This course examines how information technologies affect every aspect of our economy and society, and are transforming work within and across public organizations. This course introduces information technologies that are critical to modern fire service organizations, discusses technology and adoption trends, and explores the evolving role of IT in the public sector. The course covers information technologies relevant to fire service operations, decision making, and e-business. Students taking this class will understand the role of information technologies in managerial decision making and daily activities, the place for such technologies, and their public sector applications, environmental constraints, and relevance to strategy and planning. Student must have at least junior standing to register for this course.

FSA 415 - Local Government Administration and Community Politics (Credits: 3)

This course provides students with a basic understanding of the structure and function of local government in the United States by examining the legal, political, social and economic factors influencing local policies and relationships with communities of interest. The role of citizens, firms, states, and federal authorities in shaping the public agenda are critically examined to gain an understanding of decision making processes. Student must have at least junior standing to register for this course.

FSA 417 - Advanced Fiscal Management (Credits: 3)

This course examines laws relating to public agency budgeting; formulating a mission statement, goals and objectives; analyzing productivity; preparing a budget; the hearing process; and quarterly allotments. Student must have at least junior standing to register for this course.

FSA 419 - Advanced Legal Aspects of Fire Protection (Credits: 3)

Institutional Graduation Requirement – UWR

Overview of the U.S. Constitution and its relation to state laws; the nature of torts against fire services agencies and individuals; a fire department's responsibilities based upon state laws; court cases which have impacted department operations and their effects upon such operations; fire department compliance with hazardous materials right-to-know legislation; and identification of five current legal

issues which could impact fire department operations (such as sexual discrimination and privacy issues). Student must have at least junior standing to register for this course.

FSA 421 - Advanced Fire Service Master Planning (Credits: 3)

This course covers the processes and steps used to develop a cost effective delivery system of public services. This delivery system is designed to provide the level of service/protection that a community desires and is based upon acceptable risks and costs. Prerequisite: Must be professional firefighters, fire related emergency services professionals, or have the major of FSA. Student must have at least junior standing to register for this course.

FSA 423 - Labor Management Relations (Credits: 3)

A labor relations course that will introduce the student to the complex world of collective bargaining. It will review the history of the labor movement in the United States and give diligent consideration to the National Labor Relations Act. Additionally, the Fair Labor Standards Act, the Railway Labor Act and Public Sector Labor cases will be studied. Student must have at least junior standing to register for this course.

FSA 445 - Organizational Psychology (Credits: 3)

This course will focus on how fire safety organizations function, based on the psychology of individuals within that organization, and how those individuals interact within groups. Students will be involved in applying the behavioral and social science principles studied to their real life situations as fire professionals. Topics including human motivation, leadership, conflict resolution and organizational structure. Student must have at least junior standing to register for this course.

FSA 460 - Advanced Aviation Management in Fire Suppression (Credits: 3)

This course examines aviation program management in the Wildland/Urban interface environment, aviation policy development and requirements, development of flight operational standards and procedures, the use of "Restricted" category aircraft, aviation life support equipment and use, identification and implementation of established maintenance standards, development of standards for an "approval" process of aviation assets, development of user training and standards, development of a decision making process for program management, identify and develop acquisition methods and the implementation of contracting assets, identify and develop a safety culture in aviation, hazard/risk analysis and mitigation techniques, multiagency aviation resource acquisition and deployment planning, aviation asset utilization in suppressing wildfire, aviation program infrastructure development, multiagency cooperation, working within budgetary constraints of an aviation program, multiagency aviation policies, procedures and implementation of aviation assets, analysis of aviation programs within the fire community, command/control dynamics, strategic and tactical program considerations, program support and supervision procedures, and aviation program evaluation. Prerequisites: Student must have at least junior standing to register for this course.

FSA 490 - Applications of Fire Research (Credits: 3)

This course examines the basic principles of research and methodology for analyzing current fire-related research. The course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire related research. Prerequisites: Student must have at least Junior standing to register for this course and completion of a minimum of 30 upper-division credits with FSA prefix.