

FIRE ADMINISTRATION (FIRE)

FIRE 310 Fire Prevention and Protection 3 Credit Hour(s)

Online Prerequisite: GOVT 200

This course emphasizes diverse fire protection subject areas, including fire prevention and safety, public education, building construction, recognition of hazards, prevention of fires, inspection techniques and protection and suppression systems. Special emphasis to include understanding fire characteristics and the structural consequences of fire; risk assessment and management as applied to places where people are assembled and endangered by fire.

Offered: Online

FIRE 320 Legal and Political Issues in Fire Administration 3 Credit Hour(s)

Online Prerequisite: GOVT 200

This course will examine the American Legal system and provide in-depth coverage of the political, social, and legal issues impacting fire service administration. The course emphasizes the legal responsibilities, liabilities, and authorities of the fire service professional.

Offered: Online

FIRE 330 Human Resources Management in Fire Service Organizations 3 Credit Hour(s)

Online Prerequisite: GOVT 200

A human resources management overview applied to fire and emergency service organizations. Theory, policies, procedures, and practices related to the management of publicly employed emergency personnel are distinguished. Analysis of human resource administration including personnel management, organizational development, productivity, recruitment and selection, performance management, discipline, and collective bargaining, and effectively dealing with ethical issues.

Offered: Online

FIRE 340 Administration of Fire and Emergency Services Organization 3 Credit Hour(s)

This course demonstrates the skills necessary to manage and lead a fire and emergency services department. The course prepares students to assume administrative positions within fire and emergency service organizations and examines roles and responsibilities of administrators, management and leadership theory and practices, and common fire and emergency service administrative structures and processes.

Offered: Online

FIRE 350 Fire Dynamics 3 Credit Hour(s)

This course examines the underlying principles involved in structural fire protection systems and building furnishings, as well as fire protection systems, including water-based fire suppression systems, fire alarm and detection systems, special hazards suppression systems, and smoke management systems.

Offered: Online

FIRE 360 Fire Related Human Behavior 3 Credit Hour(s)

This course presents a study of human behavior in fire and other emergency situations. Students will examine current and past research on human behavior, systems models, life safety, education, and building design to determine the interactions of these areas in emergency situations. Students will develop an understanding of a best-practice building life safety system as one that combines knowledge in the areas of psychology and sociology, joined with engineering and education to produce the best possible outcomes in terms of human survivability in an emergency.

Offered: Online

FIRE 370 Analytical Approaches to Public Fire Protection 3 Credit Hour(s)

This course examines the tools and techniques of rational decision-making in fire and emergency services agencies, including data collection, statistics, probability, decision analysis, utility modeling, resource allocation, and cost-benefit analysis.

Offered: Online

FIRE 380 Managerial Issues in Hazardous Materials 3 Credit Hour(s)

This course presents current issues in the 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 (hazmat) preparedness, response, storage, transportation, handling, and use, and the emergency response to terrorism threats/incidents. Subjects covered include State, Local, and Federal emergency response planning, personnel and training, and operational considerations, such as determining strategic goals and tactical objectives.

Offered: Online

FIRE 390 Fire Investigation and Analysis 3 Credit Hour(s)

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. This course prepares the student to recognize and apply best practices in the investigation of fires, conduct the origin and cause determination procedures and practices necessary to ascertain if the fire was accidental or incendiary, prepare the investigative reports necessary to document such analysis and apply the findings and knowledge acquired through such efforts to reduce the consequence of both accidental and intentional fires.

Offered: Online

FIRE 400 Fire Protection Structures and Systems Design 3 Credit Hour(s)

This course examines the underlying principles involved in structural fire protection systems and building furnishings, as well as fire protection systems including water-based fire suppression systems, fire alarm and detection systems, special hazards suppression systems, and smoke management systems.

Offered: Online

FIRE 450 Leadership in Fire Service Organizations 3 Credit Hour(s)

Online Prerequisite: GOVT 200

This course covers supervisory skills and practices necessary to lead in fire service organizations. Topics include the theory, practice, and application of ethical leadership in public safety; and activities to develop personal ethics and leadership skills and abilities.

Offered: Online

FIRE 492 Fire Administration Seminar (Capstone) 3 Credit Hour(s)

Online Prerequisite: FIRE 310 and FIRE 320 and FIRE 330 and FIRE 340 and GOVT 200

This capstone course requires students to demonstrate mastery of the curriculum learned throughout the entire program. The course integrates the functional areas of fire and emergency services administration including: management, public health, public administration, budgeting, planning, decision making, legal issues, ethics, and dealing with the political environment. Students will choose a topic or issue from several central themes and will then draw upon a wide variety of sources and other disciplines to demonstrate the ability to apply what they have learned to address a realistic situation or problem.

Offered: Online