

This minor will be available to students beginning January 2017

FIRE SCIENCE AND EMERGENCY MANAGEMENT MINOR (18 HOURS)

FS 3300	(3)	Introduction to Fire Science
FS 3305	(3)	Community Risk Reduction for Fire and Emergency Services
FS 3310	(3)	Fire and Emergency Services Administration
CJ 3305	(3)	Foundations of Emergency Management

Select 6 hours from the following courses:

FS 3315	(3)	Financial Management in Fire and Emergency Services
FS 3320	(3)	Arson Investigation
CJ 3335	(3)	Security Operations
CJ 3345	(3)	Criminology
CJ 4440	(3)	Terrorism
CJ 4470	(3)	Criminal Justice Issues in Homeland Security
COM 4460	(3)	Crisis Communication

FIRE SCIENCE AND EMERGENCY MANAGEMENT COURSES (FS)

FS 3300	Introduction to Fire Science (3) An Introduction to the science of public fire protection, with a review of the role, history and philosophy of the fire service in the United States. Includes career orientation and a discussion of current and future problems in fire protection. <i>Note: This class is offered as an Internet-based class and as a classroom-based class.</i>
FS 3305	Community Risk Reduction for Emergency Services (3) This course provides an overview of Community Risk Reduction in which the student will be able to identify risks and hazards as well as develop programs to help prevent or mitigate manmade and natural incidents and disasters. The course will examine current issues affecting the health and safety of communities and develop a plan to apply learned methodologies to reduce risk. Case studies, exercises and discussions will be used to encourage critical review of the philosophy and application of community risk reduction. This course addresses the development of risk matrices, identification of community health threats and developing initiatives to help lower exposure to the risks identified.
FS 3310	Fire and Emergency Services Administration (3) This course provides an overview for fire and emergency services administration. This course demonstrates the importance of the following fundamental concepts necessary to effectively manage and lead a fire and emergency services organization while dealing the challenges and changes of the 21 st century. Accountable budgeting, Anticipation of challenges, Organizational management, Persuasion and influence, Organizational changes, Analytical problem solving. A central part of the course focuses on how the leadership of a fire and emergency services organization develops and maintains both internal and external cooperation to create a coordinated approach to achieving the organization's mission.
FS 3315	Financial Management in Fire and Emergency Services (3) This course introduces principles and practices of budget and finance, and combines them with the methods and techniques of both oral and written communication. The course is intended to prepare students for tasks and challenges related to fire and emergency services financial management, and to effectively communicate those business-related matters through either presentations or documents. This course equips students with competence in the use of budgeting terminology, innovations in budget preparation, and the linkage of the role of technology in shaping budget preparation and administrative implementation. The focus is to have the student appreciate the importance of sound fiscal budgetary practices within the fire and emergency service settings and the ability to present presentations professionally.
FS 3320	Arson Investigation (3) An analysis of incendiary fire investigation from the viewpoint of the field investigator, with an emphasis on the value of various aids and techniques in the detection of arson, collection and preservation of evidence, investigation, interrogation, related laws of arson, court appearance and testimony.