FIRA: FIRE ADMINISTRATION (UNDERGRADUATE)

FIRA 1998 Individualized Studies in Fire Services Administration (FIRA) (1-8 Credits)
Students have the opportunity to develop individualized studies with their mentor in Fire Services Administration (FIRA). Please contact your mentor/advisor for more details.

FIRA 2998 Individualized Studies in Fire Services Administration (FIRA) (1-8 Credits)
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FIRA 3005 Advanced Principles of Safety & Survival (4 Credits)
This course prepares students to manage and administer training and education programs in fire and emergency services. Topics include the many systems of training and education available and the concept of professional development on both individual and organizational levels. Prerequisites: Fire and Emergency Services Administration, Personnel Management for the Fire and Emergency Services, or equivalent experience. This course was previously CHS-264334 Advanced Principles of Safety and Survival.

FIRA 3015 Community Risk Reduction for the Fire & Emergency Services (4 Credits)
This course examines the fire department as a part of the complex organization of the community and investigates how departments interact with their communities. Recommended: previous study in Statistics, Economics/Macro, Economics/Micro, The American Political System, College Writing, Communication Decisions, Advanced Fire Administration, Introduction to Sociology or equivalents, and introductory studies in psychology and sociology. This course was previously CHS-264094 Community Risk Reduction for the Fire and Emergency Services.
Attributes: Liberal

FIRA 3020 Emergency Services Training & Education (4 Credits)
This course prepares students to manage and administer training and education programs in fire and emergency services. Topics include the many systems of training and education available and the concept of professional development on both individual and organizational levels. The focus is on safety, especially understanding and preventing training deaths and injuries. Discussion explores how higher education/training contributes to the professional development of fire-service personnel. This course was previously CHS-263284 Emergency Services Training and Education.
Attributes: Liberal

FIRA 3025 Fire Investigation & Analysis (4 Credits)
This course examines the technical, investigative, legal, and social aspects of the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, legal considerations, intervention and mitigation strategies. Prerequisites: A basic knowledge of fire behavior and fire suppression. This course was previously CHS-264104 Fire Investigation and Analysis.

FIRA 3030 Fire Prevention: Organization & Management (4 Credits)
This course provides an overview of fire prevention background and concepts. Topics include: non-governmental fire prevention functions; government fire prevention efforts; public fire education, and human reaction to fire emergencies. Prerequisites: Students should be familiar with fire prevention practices and have fire training experience. Suggested: College Writing, Computer Information Systems, Advanced Fire Administration or equivalents. This course was previously CHS-264024 Fire Prevention, Organization and Management.

FIRA 3035 Fire Protection Structures & Systems (4 Credits)
This course examines the underlying principles involved in structural fire protection systems, building furnishings, and fire protection systems including water-based fire suppression systems, fire alarm and detection systems, special hazard suppression systems, and smoke management systems. Recommended: previous study in Algebra, College Writing or equivalents, and knowledge of building construction. This course was previously CHS-264074 Fire Protection Structures and Systems.

FIRA 3040 Fire & Emergency Services Administration (4 Credits)
This course reviews the history and development of the American Fire Service. Topics include: value engineering for capital resources; cost effectiveness in service delivery; fire prevention, suppression and investigation; and emergency medical services. Prerequisites: Introduction to Public Administration or equivalent, or significant practical background in administration and management. Recommended (1 or more): Accounting for Decision Makers, Management Principles, The American Political System, College Writing, Communication Decisions, Human Service Management or equivalents. This course was previously CHS-264014 Fire and Emergency Services Administration.

FIRA 3045 Personnel Management for the Fire & Emergency Services (4 Credits)
This course examines the functions of personnel management as they relate to the field of Fire and Emergency Services. Topics include personnel planning, staffing, supervision and discipline, labor relations, affirmative action and equal employment opportunity, employee motivation, productivity, compensation and performance evaluations. Prerequisites: Introduction to Public Administration and/or Advanced Fire Administration or equivalents, and have significant experience as a line officer. Recommended: Management Principles, Labor/Management Relations, Human Service Management, Theories of the Labor Movement, College Writing or equivalents. This course was previously CHS-264034 Personnel Management for the Fire and Emergency Services.

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FIRA 4005 Analytical Approaches for the Fire & Emergency Services (4 Credits)
This course explores the foundations of systems analysis, including fire prevention and suppression systems. Because fire department deployment analysis is the focus of much of the course, significant application of mathematics to the fire service is required, including formulas for resolving such issues as response time and resource utilization. Recommended: previous study in Accounting for Decision Makers, Business Mathematics, Statistics, Economics/Micro, Algebra or equivalents. This course was previously CHS-264044 Analytical Approaches for the Fire and Emergency Services.
Attributes: Liberal

FIRA 4010 Fire Dynamics (4 Credits)
This course examines the combustion process, with an emphasis on fire chemistry, oxidizers, reducing agents, temperature criteria and molecular chain reactions. Historical and current theories of combustion are also studied. Prerequisites: Students should have some academic or practical background in chemistry, physics, algebra and hazardous materials, advanced fire training and experience. Recommended: previous study in Fire Protection Structures and Systems, College Writing or equivalents. This course was previously CHS-264114 Fire Dynamics.

FIRA 4015 Fire Related Human Behavior (4 Credits)
This course explores the interaction of traditional fire service concerns with a range of social sciences, relating theory to practice. Focus is on the dynamics of human behavior during fire incidents and how these are related to fire prevention practices, programs, codes and ordinances. Recommended: previous study in introductory psychology course and advanced technical understanding through fire training and experience. College Writing, Communication Decisions, Competition and Cooperation: A Cross-Cultural Perspective or equivalents. This course was previously CHS-264054 Fire Related Human Behavior.
Attributes: Liberal

FIRA 4020 Political & Legal Foundations of Fire Protection (4 Credits)
This course examines the legal aspects of the fire service and the political and social impacts of legal issues. A review of the U.S. legal system and in-depth coverage of legal and political issues will be used to frame the study. Recommended: Previous study in college writing, law and government. This course was previously CHS-264084 Political and Legal Foundations of Fire Protection.
Attributes: Liberal

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