FESA 310 Fire Service Leadership  
**Fall**  3 credits  
Theory, practice and application of ethical leadership in public safety; developing personal ethics and leadership skills and abilities.

FESA 331 Structure Influence on Tactics & Strategy  
**Fall, Summer**  3 credits  
How construction type, alterations, design and materials influence a building’s reaction to fire. Fireground influence on tactics and strategy.

FESA 333 Proposals/Reports in Fire Service Management  
**Fall, Spring**  3 credits  
Process of preparing reports and developing a proposal supported by research. Introduction to research techniques, Internet and library use; conventions of documentation.

FESA 334 Orientation to Experiential Learning  
**Fall, Spring**  1 credit  
Demonstration of knowledge, skill and professional experience for enhancing documentation and career development skills.

FESA 335 Trends in Fire Science Technologies  
**Spring**  3 credits  
Analytical tools designed to evaluate, align, select and implement emerging fire science technologies.

FESA 336 Fire & Emergency Services Administration  
**Fall, Spring**  3 credits  
Fire and emergency service administrative structures and processes. Examination of management and leadership models and applications.

FESA 337 Policy & Public Administration  
**Fall, Spring**  3 credits  
Prerequisite: FESA 334  
Political and legal foundations of fire and emergency services. Public administration concepts, decision-making and policy development.

FESA 338 Essentials of Emergency Management  
**Fall, Spring**  3 credits  
Emergency management theory; mitigation, planning, response and recovery in large-scale incidents. Development/operation of emergency operation centers.

FESA 339 Incident Command Systems  
**Summer**  3 credits  
Prerequisite: FESA 334  
Theory and application of incident command systems (ICS) to the command and coordination of major emergency operations.

FESA 341 Fire Officer I-A  
**Alternate Fall (odd)**  3 credits  
Fire officer competencies at the supervisory level of performance, as confirmed by NFPA Standard 1021, Level I, 4.1 to 4.4.

FESA 342 Fire Officer I-B  
**Alternate Fall (odd)**  3 credits  
Prerequisite: FESA 341 with a grade of C or better.  
Fire officer competencies at the supervisory level of performance, as confirmed by NFPA Standard 1021, Level II, 4.5 to 4.7.

FESA 343 Fire Officer I-C  
**Alternate Fall (odd)**  3 credits  
Prerequisite: FESA 342 with a grade of C or better.  
Fire officer competencies at the supervisory level of performance, as confirmed by NFPA Standard 1021, Level III, 5.0 to 5.8.

FESA 431 Emergency Medical Services Management  
**Alternate Spring (odd)**  3 credits  
Prerequisite: FESA 432; FESA 433  
Emergency medical service models: design, implementation, and evaluation. Interactions with health care systems, public policy and public health systems.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FESA 432</td>
<td>Fire &amp; Emergency Services Budgeting</td>
<td>3</td>
<td>FESA 333; FESA 336</td>
<td>Application of emergency service budgeting systems with emphasis on revenues, public financial controls, capital funding and performance measures.</td>
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<tr>
<td>FESA 433</td>
<td>Fire &amp; Emergency: Human Resources</td>
<td>3</td>
<td>FESA 333; FESA 336</td>
<td>Theory, practice and models of human resources applied to emergency organizations; workforce development, HR functions and labor relations.</td>
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<tr>
<td>FESA 434</td>
<td>Training Program Management</td>
<td>3</td>
<td>FESA 432; FESA 433</td>
<td>Development of agency training and education programs. Utilization of training and education practices, resources, facilities and technologies.</td>
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<tr>
<td>FESA 436</td>
<td>Fire Protection through Model Building Codes</td>
<td>3</td>
<td></td>
<td>Overview of the most current fire codes that are used across the United States. Discussion of fire inspection methodology and enforcement practices.</td>
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<tr>
<td>FESA 437</td>
<td>Fire &amp; Emergency: Legal Considerations</td>
<td>3</td>
<td>FESA 432, FESA 433</td>
<td>Fire service in relation to the complex legal system of the United States, individual states and local jurisdictions.</td>
</tr>
<tr>
<td>FESA 438</td>
<td>Prevention Program Management</td>
<td>3</td>
<td>FESA 432; FESA 433</td>
<td>Design, implementation and evaluation of fire and risk prevention programs using education, engineering and enforcement approaches.</td>
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<td>FESA 441</td>
<td>Fire Officer II-A</td>
<td>3</td>
<td>FESA 342 with a grade of C or better.</td>
<td>Fire officer competencies at the supervisory/managerial level of performance, as confirmed by NFPA Standard 1021, Level II, 5.1 to 5.4.</td>
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<tr>
<td>FESA 442</td>
<td>Fire Officer II-B</td>
<td>3</td>
<td>FESA 441 with a grade of C or better.</td>
<td>Fire officer competencies at the supervisory/managerial level of performance, as confirmed by NFPA Standard 1021, Level II, 5.5 to 5.7.</td>
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<tr>
<td>FESA 467</td>
<td>Integrated Management Simulation</td>
<td>3</td>
<td>FESA 432; FESA 433</td>
<td>Integration management and administrative knowledge and skills in the development of a fire and emergency service management simulation.</td>
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<tr>
<td>FESA 492</td>
<td>Seminar</td>
<td>variable (1-3)</td>
<td>Written consent of the instructor</td>
<td>Discussion and documentation of professional experience in fire and emergency services.</td>
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<tr>
<td>FESA 495</td>
<td>Independent Study</td>
<td>variable (1-6)</td>
<td>Admission to FESA program and written consent of instructor</td>
<td>Independent Study provides the means for students to plan and carry out a project under a professor’s supervision in his or her respective area(s) of special interest. FESA 495 should be used to expand student interest in areas where formalized instruction is not currently available and should not be abused as a means to fulfill graduation requirements.</td>
</tr>
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