

# FIRE MANAGEMENT

The Fire and Emergency Services degree program is designed to add the academic substance to prepare graduates to lead public or private sector fire, EMS, and emergency management. Students earn a bachelor of science with the ability to specialize in fire, emergency medical services management, or emergency management.

## About this Program

- **College:** Design, Construction and Planning (<http://catalog.ufl.edu/UGRD/colleges-schools/UGDCP/>)
- **School:** M.E. Rinker, Sr. School of Construction Management (<http://catalog.ufl.edu/UGRD/colleges-schools/UGCMN/>)
- **Degree:** Bachelor of Science in Fire and Emergency Services
- **Specializations:** Fire Management (p. 1) | Emergency Medical Services Management ([http://catalog.ufl.edu/UGRD/colleges-schools/UGCMN/FES\\_BSFE\\_UFO/FES\\_BSFE02\\_UFO/](http://catalog.ufl.edu/UGRD/colleges-schools/UGCMN/FES_BSFE_UFO/FES_BSFE02_UFO/)) | Emergency Management ([http://catalog.ufl.edu/UGRD/colleges-schools/UGCMN/FES\\_BSFE\\_UFO/FES\\_BSFE01\\_UFO/](http://catalog.ufl.edu/UGRD/colleges-schools/UGCMN/FES_BSFE_UFO/FES_BSFE01_UFO/))
- **Credits for Degree:** 120
- **Contact:** 1.855.99GATOR
- **More Info**

*To graduate with this major, students must complete all university, college, and major requirements.*

## School Information

The mission of the M. E. Rinker, Sr. School of Construction Management is to be the center of excellence for construction. The Rinker School will pursue this by promoting professional and ethical behavior in education and practice, advancing the industry by creating new knowledge through research and scholarly activities, educating individuals in principles, knowledge, and skills required to be successful in their professional careers, and providing service and transferring knowledge to the citizens of Florida, the construction industry, professional societies, the nation, and the world.

**Website** (<https://dcp.ufl.edu/rinker/>)

## CONTACT

Email ([CMUndergraduate@dcp.ufl.edu](mailto:CMUndergraduate@dcp.ufl.edu)) | 352.273.1150 (tel) | 352.392.9606 (fax)

P.O. Box 115703  
304 RINKER HALL  
GAINESVILLE FL 32611-5703  
Map (<http://campusmap.ufl.edu/#/index/0272>)

## Curriculum

- Combination Degrees
- Construction Management
- Construction Management Certificate
- Emergency Management Certificate
- Emergency Medical Services Management Certificate
- Fire and Emergency Services UF Online
- Senior Fire Officer Certificate

The program specializations offer the student the ability to focus their degree in three different aspects of the emergency services industry. The program prepares the graduates for advancement in the ranks for the fire service, EMS and emergency management. In addition, graduates can find jobs at the local, state and national level of government, insurance companies, industry, and other areas. Students may apply to the university at the junior year after earning the Associate of Arts degree from a Florida state college or other regionally accredited academic institution. Freshman and sophomore coursework will be taken at a Florida state or public college or other regionally accredited academic institution.

After being accepted, students can pursue a Bachelor of Science without moving to Gainesville. Coursework for the junior and senior years will be offered via electronic distance learning, and UF faculty will teach and advise students in the program.

Students need access to a personal computer capable of connecting to the Internet.

## Course requirements for the Degree

The BS degree is for students with different professional objectives. All students, regardless of specialization, are required to take FES 3015 as their opening course.

Each specialization has a specific set of required core courses required courses and electives of upper-division courses that represent important interdisciplinary topic areas. Core courses provide students with the knowledge and fundamental concepts essential to the specialization. The

required courses are designed to be applicable across all specializations. The electives allow the students to select courses that meet their career interest. Upper-division courses are designed to build knowledge, competency and skills applicable to professional development.

Students should meet with an advisor as early as possible in their academic careers to choose their specialization and to plan their course of study.

## Coursework

### Fire Management

| Code                                     | Title   | Credits   |
|--|---|-----------|
| <b>Core Coursework by Specialization</b> |   |           |
| FES 3004                                 | Political and Legal Foundations of Fire Protection        | 3         |
| FES 3533                                 | Community Risk Reduction for Emergency Services           | 3         |
| FES 3782                                 | Applications of Fire Research                             | 3         |
| FES 4003                                 | Fire and Emergency Services Administration                | 3         |
| FES 4045                                 | Fire and Emergency Services Human Resource Management     | 3         |
| FES 4585                                 | Management of Fire Prevention Programs                    | 3         |
| FES 3815                                 | Command and Control at Catastrophic Fire-Rescue Incidents | 3         |
| <b>Total Credits</b>                     |   | <b>21</b> |

### EMS Management

| Code                                     | Title   | Credits   |
|--|---|-----------|
| <b>Core Coursework by Specialization</b> |   |           |
| FES 3223                                 | Foundations of EMS                                    | 3         |
| FES 3233                                 | EMS Safety and Risk Management                        | 3         |
| FES 3284                                 | Management of Emergency Medical Services              | 3         |
| FES 4244                                 | Legal, Political, and Regulatory in EMS               | 3         |
| FES 4274                                 | Quality Management and Research in Emergency Services | 3         |
| FES 4234                                 | EMS Community Risk Reduction                          | 3         |
| FES 4224                                 | Management of Mass Casualty Incidents                 | 3         |
| <b>Total Credits</b>                     |   | <b>21</b> |

### Emergency Management

| Code                                     | Title   | Credits   |
|--|---|-----------|
| <b>Core Coursework by Specialization</b> |   |           |
| FES 3533                                 | Community Risk Reduction for Emergency Services           | 3         |
| FES 3822                                 | Disaster Policy in Emergency Management                   | 3         |
| FES 4003                                 | Fire and Emergency Services Administration                | 3         |
| FES 4014                                 | Foundations of Emergency Management                       | 3         |
| FES 4045                                 | Fire and Emergency Services Human Resource Management     | 3         |
| FES 4884                                 | Introduction to Terrorism in Emergency Management         | 3         |
| FES 3815                                 | Command and Control at Catastrophic Fire-Rescue Incidents | 3         |
| <b>Total Credits</b>                     |   | <b>21</b> |

### All Specializations

| Code   | Title  | Credits   |
|--|--|-----------|
| <b>Required Coursework for All Specializations</b> |  |           |
| FES 3153   | FES Communication and Informational Technology               | 3         |
| FES 3753   | Fire and Emergency Services Financial Management             | 3         |
| FES 4023   | Fire and Emergency Services Ethical Practices and Leadership | 3         |
| FES 4055   | Fire and Emergency Services Public Relations                 | 3         |
| FES 4825   | Disaster Planning and Control                                | 3         |
| FES 3720   | Strategic Planning for FES                                   | 3         |
| FES 3015   | Principles of Fire and Emergency Services Management         | 3         |
| <b>Total Credits</b>                               |  | <b>21</b> |

### Electives

| Code             | Title  | Credits |
|------------------|--|---------|
| <b>Electives</b> |  |         |
| Select six:      |  | 18      |
| EMS 4315         | Analytical Approaches to EMS                             |         |
| FES 3285         | Advanced Leadership Issues in Emergency Medical Services |         |
| FES 3780         | Analytical Approaches to Fire Protection                 |         |
| FES 3803         | Multi-Agency Incident Command                            |         |

|                                    |   |
|------------------------------------|---|
| FES 4034                           | Regulatory Issues in Fire and Emergency Services    |
| FES 4226                           | EMS Special Operations                              |
| FES 4685                           | Fire Investigation and Analysis                     |
| FES 4804                           | Disaster Recovery and Mitigation                    |
| FES 4820                           | Critical Incident Management for Emergency Managers |
| FES 4835                           | Natural Disaster Phenomena in Florida               |
| FES 4905                           | Special Studies in Fire and Emergency Services      |
| FES 4935                           | Current Issues in Fire and Emergency Services       |
| FES 3263                           | Public Safety Educator                              |
| FES 3227                           | Ambulance Operations                                |
| FFP 4507                           | Management of Fire-Related Human Behavior           |
| Any course from other core courses |   |

**Total Credits** **18**

| Code  | Title | Credits   |
|---|-------|-----------|
| Required Coursework for All Specializations |       | 21        |
| Core Coursework by Specialization           |       | 21        |
| Electives                                   |       | 18        |
| <b>Total Credits</b>                        |       | <b>60</b> |

## Fire Management

For students who wish to work in the fire service or a fire related career. The program focuses on the area of fire science.

### Critical Tracking

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites (<https://cpm.flvc.org/advance-search/>) may be used for transfer students.

### Model Semester Plan

*This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.*

| Course                | Title   | Credits  |
|-----------------------|---|----------|
| <b>Semester One</b>   |   |          |
| FES 3015              | Principles of Fire and Emergency Services Management      | 3        |
| FES 3815              | Command and Control at Catastrophic Fire-Rescue Incidents | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Two</b>   |   |          |
| FES 3720              | Strategic Planning for FES                                | 3        |
| FES 4003              | Fire and Emergency Services Administration                | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Three</b> |   |          |
| FES 4585              | Management of Fire Prevention Programs                    | 3        |
| Elective              |   | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Four</b>  |   |          |
| FES 3533              | Community Risk Reduction for Emergency Services           | 3        |
| FES 3004              | Political and Legal Foundations of Fire Protection        | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Five</b>  |   |          |
| FES 3782              | Applications of Fire Research                             | 3        |
| Elective              |   | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Six</b>   |   |          |
| FES 3153              | FES Communication and Informational Technology            | 3        |
| FES 4825              | Disaster Planning and Control                             | 3        |
| <b>Credits</b>        |   | <b>6</b> |
| <b>Semester Seven</b> |   |          |
| Electives             |   | 6        |

|                       |  |           |
|-----------------------|--|-----------|
| FES 4045              | Fire and Emergency Services Human Resource Management        | 3         |
| <b>Credits</b>        |  | <b>9</b>  |
| <b>Semester Eight</b> |  |           |
| FES 3753              | Fire and Emergency Services Financial Management             | 3         |
| FES 4023              | Fire and Emergency Services Ethical Practices and Leadership | 3         |
| Elective              |  | 3         |
| <b>Credits</b>        |  | <b>9</b>  |
| <b>Semester Nine</b>  |  |           |
| FES 4055              | Fire and Emergency Services Public Relations                 | 3         |
| Elective              |  | 3         |
| <b>Credits</b>        |  | <b>6</b>  |
| <b>Total Credits</b>  |  | <b>60</b> |

### Academic Learning Compact

The School of Construction Management offers an accessible Bachelor of Science program for members of the Fire and Emergency services. This degree program is designed to build on students' experience in the fire service and to add the academic substance to prepare students to lead public or private sector fire and emergency service units.

## Before Graduating Students Must

- Demonstrate ability in management, labor issues, and operations.
- Demonstrate ability in services related to medical, disaster, and human resources.
- Demonstrate ability in public relations, ethical practices, and leadership.
- Complete requirements for the baccalaureate degree, as determined by faculty.

## Students in the Major will Learn to

### Student Learning Outcomes | SLOs

#### Content

1. Identify and evaluate organizational problems associated with fire and emergency services.
2. Identify and demonstrate proper knowledge and use of comprehensive emergency management/command and control skills in major catastrophic incidents in fire and emergency services.
3. Illustrate knowledge and legal application of safety, health, and environmental regulations at state and federal levels.

#### Critical Thinking

4. Demonstrate effective leadership behavior and skills in fire and emergency services.
5. Properly address issues of management, code regulations, and the labor market in fire and emergency services.

#### Communication

6. Demonstrate strong verbal and written communication skills for leadership in fire and emergency services.

### Curriculum Map

*I = Introduced; R = Reinforced; A = Assessed*

| Courses  | SLO 1 | SLO 2 | SLO 3 | SLO 4 | SLO 5 | SLO 6 |
|----------|-------|-------|-------|-------|-------|-------|
| FES 3015 | I     | I     | I     | I     | I     | I     |
| FES 3033 | I     |       | I     | I     | I     | I     |
| FES 3153 | I     |       |       |       |       |       |
| FES 3284 | I, R  | I, R  | I, R  | I, R  | I, R  | I, R  |
| FES 3285 | I, R  |       | I, R  | I, R  | I, R  |       |
| FES 3753 | I     |       |       | I     |       | I     |
| FES 3755 | I, R  |       | I, R  | I, R  |       | I, R  |
| FES 3803 | I     | I, R  | I     | I, R  |       | I     |
| FES 3815 | R     |       | R     |       |       | I, R  |
| FES 3823 |       | A     | I, R  | I, R  |       | I, R  |
| FES 4003 | R     |       | I, R  | R     | R     | A     |
| FES 4023 | R     |       |       | A     |       | A     |

|          |   |   |   |
|----------|---|---|---|
| FES 4034 |   | A |   |
| FES 4045 |   |   | A |
| FES 4055 |   |   | R |
| FES 4224 | A |   |   |
| FES 4585 | A |   |   |
| FES 4825 |   | R |   |
| FES 4935 | R |   |   |

Assessment Types

- Exams
- Final papers

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