



## Beyond the Ordinary...

The **Fire Science Technology** program at **College of Lake County** effectively prepares students for success in the industry. For those students who want to expand their opportunities, Southern Illinois University Carbondale's **Fire Service Management** degree at **University Center of Lake County** can provide the training and courses necessary for further career advancement.

With SIUC's **Capstone Option**, qualifying students have an **advantage**. Capstone reduces University Core from 41 to 30 hours, which results in a true 2+2 transfer experience

### College of Lake County

#### Fire Science Technology

#### A.A.S. – Associate in Applied Science

##### Required General Education Coursework

<i>CMM</i>	121	<i>Fundamentals of Speech</i>	3
<i>ENG</i>	121	<i>English Composition I*</i>	3
MTH	114	Applied Mathematics I or higher	3
<i>PSC</i>	122	<i>State and Local Politics</i>	3
		<i>Humanities/Fine Arts Elective*</i>	3
Total			15

##### Required Fire Science Coursework

FST	111	Introduction to Fire Science	3
FST	116	Tactics and Strategy I	3
FST	173	Fire Instructor I	3
FST	177	Fire Prevention Principles I	3
FST	218	Fire Office Supervision (MGMT I)	3
FST	217	Fire Office Communications (MGMT II)	3
FST		Fire Science Electives	21
Total			39

##### Additional Required Coursework

CIT	119	-or- 120	3
<i>PHY</i>	120	<i>Practical Aspects of Physics</i>	4
<i>PSY</i>	121	<i>Introduction to Psychology</i>	3
total			10

AAS Total 64

\*Courses in italics satisfy SIUC University Core Curriculum requirements. For additional information, see <http://transfer.siu.edu/eval>

### Southern Illinois University Carbondale

#### Fire Service Management

#### B.S. – Bachelor of Science

##### University Core Curriculum†

UCC	Mathematics	3
UCC	Science (Biological)	3
UCC	Fine Arts/Humanities	3
UCC	Multicultural	3
Total		12

##### Fire Service Management Major Coursework

TRM	316	App of Technical Information	3
FSM	305	Dev Personal Philosophy of Leadership	3
FSM	332	Labor Relations for Fire and Emergency Services	3
FSM	360	Personnel Systems for Fire and Emergency Services	3
FSM	383	Data Interpretation	3
FSM	387	Fiscal Aspects of Fire Service Mgmt	3
FSM	388	Political and Legal Foundations of Fire and Emergency Services	3
FSM	390	Gov Aspects of the Fire Service	3
FSM	398	Risk for Fire and Emergency Services	3
FSM	425	Fire and Emergency Services Governance	3
FSM	421	Professional Development	3
FSM	423	Community Risk Reduction	3
FSM		Select from 301;350; 401; 450	12
Total			48

BS Total (Beyond AAS) 60

†Some or all may be transferred. Check with advisor.

The above plan is based on a cumulative transfer gpa of 2.0/4.0 or higher and Capstone eligibility. For more information, see <http://transfer.siu.edu/capstone>.

For more information, contact a program representative at (708) 456-0300 ext. 3176 or visit <http://isat.siu.edu/fsm>.

## **Major Courses**

**TRM 316-3 Applications of Technical Writing.** This course will increase students' abilities in communicating various types of workplace documents common to technical disciplines. Oral presentations use computerized presentation software. A grade of C or better is required. Prerequisite: ENGL 101.

### **FSM 305-3 Developing a Personal Philosophy of Leadership**

This is the first of four courses which will provide the participant with a deeper understanding of self as it relates to leadership philosophies, knowledge, skills, and abilities.

### **FSM 332-3 Labor Relations for Fire and Emergency Services**

The student will gain a general understanding of the economic situation of which labor/management relations represent a subset. Students will develop a perspective on the evolution of labor relations in the United States economy and how the interaction of labor and management differs throughout the world. The collective bargaining section introduces the student to the techniques of bargaining used by labor and management in their ongoing interactions.

### **FSM 360-3 Personnel Systems for Fire and Emergency Services**

This course examines relationship and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining.

### **FSM 383-3 Data Interpretation**

A course designed for students beginning their major program of study to examine data use in their respective professions. Emphasis will be placed upon an understanding of the basic principles and techniques involved with analysis, synthesis and utilization of data.

### **FSM 387-3 Fiscal Aspects of Fire Service**

An introduction to the fiscal problems encountered in the administration of fire service facilities.

### **FSM 388-3 Political and Legal Foundations of Fire and Emergency Services**

The student will learn basic law principles, identify sources of American laws, and recognize the structural framework of American law. Additionally, the student will be able to identify the principles of law which relate to management of fire protection services and areas of law which impact on the operations of fire service management, including applicable laws and ordinances (Fire Fighter Bill of Rights, et al), collective bargaining, and state/local civil service Fire/Police Commission provisions hearing protocols. Further, the student is able to effectively participate in the conduct of a mock hearing, following applicable protocols for such, in accordance with due process and legal requirements and effectively document and enforce such findings.

### **FSM 390-3 Governmental Aspects of the Fire Service**

The role of subnational governments in the management of the fire services. The demographic and political environment in which the fire services operate. The duties, powers and obligations of governmental agencies relative to the operation of a fire department.

### **FSM 398-3 Risk Reduction Fire and Emergency Services**

This course, designed for the middle-level fire service manager, introduces the concept of risk management and examines its applicability in the fire service. Particular emphasis is placed on developing and implementing a fire service risk management program in both career and paid on-call departments.

### **FSM 405-3 Leading Others**

This course is the second in the continuing series of the Leadership and Management program. It is designed to provide the participant with the knowledge, skills, and abilities to effectively lead others.

### **FSM 421-3 Professional Development**

Introduces students to the various elements involved in obtaining a position in their chosen fields. Topics included are: personal inventories, placement services, employment agencies, interviewing techniques, resumes, letters of application, references and employment tests. Each student will develop a portfolio, including personal and professional information related to career goals.

### **FSM 423-3 Community Risk Reduction**

The development and management of a community fire protection plan. Students will learn to organize, coordinate and implement a community fire protection master plan.

### **FSM 425-3 Fire and Emergency Services Governance and Administration**

The role of upper level fire service managers with a focus on the significant areas of fire department management. Emphasis is placed on an understanding of major issues facing fire service managers and the management theories.