

Fire Science Services (FSS)

This program is for students who are already functioning with a fire department and wish to participate in the certification program of the Illinois Office of the State Fire Marshal. Students must be employed by an Illinois fire department (full-time, part-time or volunteer) to be eligible for certification by the Office of the State Fire Marshal and to enroll in certain courses offered in this program.

FSS 103 Firefighter IIA

4 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer).
5 hours weekly (3-2)

This course is the first of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter. Topics covered in this course include fire behavior, safety, self-contained breathing apparatus, fire extinguishers, ladders, and fire hoses and appliances. After completion of this course, FSS 104, FSS 105, and FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 104 Firefighter IIB

4 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer) and FSS 103.
5 hours weekly (3-2)

This course is the second of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter II. Topics covered in this course include emergency medical care, building construction, water supply, forcible entry, ventilation, fire control, nozzles, fire streams, and rescue. After completion of this course, FSS 103, FSS 105, and FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 105 Firefighter IIC

2 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer) and FSS 103 and FSS 104.
3 hours weekly (1-2)

This course is the third of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter. Topics covered in this course include ropes and knots, loss control, fire detection, alarm, and suppression systems, fire prevention and public education, protecting evidence, terrorism awareness, and firefighter survival. After completion of this course, FSS 103, FSS 104, and FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 106 Hazardous Materials: Awareness

1 Hour

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), FSS 103, FSS 104, and FSS 105.
1 hour weekly (1-0)

This course was designed to enable firefighters to recognize hazardous materials and learn methods to protect themselves and secure the scene while waiting for Hazardous Materials specialists. After completion of this course, FSS 103, FSS 104, and FSS 105, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 107 Firefighter III

5 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, and FSS 105.
6 hours weekly (4-2)

This course was designed to provide Certified Firefighters (level II) training in advanced firefighting topics to enable them to advance to Certification level. Advanced topics covered in this course include fire behavior, safety, self-contained breathing apparatus, ropes, ladders, water supply, ventilation, rescue, communications, overhaul, fire prevention, public education, and building construction. After completion of this course and FSS 206, students are eligible for Illinois State Fire Marshal's Office Firefighter III Certification.

FSS 108 Management I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.
3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) introductory training in leadership, supervision, and management. Topics covered include human resource management, community awareness, public relations,

organizational structure, motivation, and fiscal budgets. After completion of this course, students who also complete FSS 200, FSS 204, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 200 Instructor I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in the basic principles of instruction. Topics covered include oral communication, instructional techniques, student assessment, responsibilities, and evaluations. After completion of this course, students who also complete FSS 108, FSS 204, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 201 Instructor II

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, Illinois State Fire Marshal's Office Instructor I Certificate, FSS 105, FSS 107, and FSS 200.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in advanced instruction. Topics covered include evaluation, program development, lesson plans, public speaking, and instructional technologies. After completion of this course, students will be eligible for Illinois State Fire Marshal's Office Instructor II Certification.

FSS 202 Fire Apparatus Engineer

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, and FSS 105.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) training in the operation of pumping systems. Topics covered include pump operation, pump accessories, water supply systems, pump maintenance, use of streams, and hydrants. After completion of this course, students will be

eligible to sit for Illinois State Fire Marshal's Office Fire Apparatus Engineer Certification.

FSS 204 Fire Prevention Principles

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in fire prevention, investigation, and inspection. Topics covered include ordinances, life safety code, building construction, building occupancy, inspection techniques, investigation procedures, fire protection systems, and public education. After completion of this course, students who also complete FSS 108, FSS 200, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 205 Tactics and Strategy I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in the principles of fire control. Topics covered include company officer leadership, fire chemistry and behavior, equipment, firefighting tactics, safety, building construction, and firefighting strategies. After completion of this course, students who also complete FSS 108, FSS 200, FSS 204, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 206 Hazardous Materials: Operations

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, FSS 105, and FSS 106.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) classroom instruction to enable them to function as a First Responder or Hazardous Materials Incident Commander. Topics covered include laws, regulations, health and safety, assessment, monitoring, and response. After completion of this course, students are eligible for

Illinois State Fire Marshal's Office Hazardous Materials: Operations Certification.

FSS 208 Management II

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 107, and FSS 108.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) advanced training in management. Topics covered include labor management, legal issues, communication, plan development, safety, conflict resolution, and local government. After completion of this course, students who also complete FSS 108, FSS 200, FSS 204, and FSS 205 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 209 Hazardous Materials Technician A

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Hazardous Materials Operations and Firefighter II Certifications, FSS 105, and FSS 206.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) training to enable them to mitigate Hazardous Materials incidents. After completion of this course, students are eligible for Illinois State Fire Marshal's Office Hazardous Materials Technician A Certification.