

FIRE SCIENCE
AAS DEGREE

The **Fire Science Technology program** encompasses both fire fighting and emergency medical services. The Fire Science degree focuses on the theory and techniques of fire fighting, inclusive of the Emergency Medical Technician curriculum, required by most fire departments. After completion of the degree, state certifications may be awarded through the Office of the State Fire Marshal (OSFM) if the state requirements are met.

Field of Study Code: FIRE.AAS
Program Requirements..... 21

Fire 1100	Introduction to Emergency Services	3
Fire 1112	Principles of Fire Prevention	3
Fire 2201	Extinguishing and Alarm Systems.....	3
Fire 2210	Fire Apparatus	3
Fire 2213	Principles of Fire Behavior and Combustion ..	3
Fire 2215	Building Construction	3
Fire 2218	Principles of Fire and Emergency Services Safety and Survival	3

Program Electives 15

Select 15 credits from any 1000 or 2000-level Fire Science courses. (In addition to the courses listed above.)

Fire 1101	Basic Operations Firefighter-Mod A.....	6
Fire 1102	Basic Operations Firefighter-B	6
Fire 1103	Basic Operations Firefighter-C	6
Fire 1104	Advanced Technician Firefighter.....	4
Fire 1111	Fire Prevention I	3
Fire 1120	Codes and Laws.....	3
Fire 2211	Fire Apparatus Engineer	3
Fire 2221	Tactics I.....	3
Fire 2222	Tactics II.....	3
Fire 2231	Hazardous Materials Operations.....	3
Fire 2234	Hazardous Materials Technician	6
Fire 2250	Incident Safety Officer.....	3
Fire 2251	Fire Leadership I	3
Fire 2252	Fire Leadership II	3
Fire 2253	Fire Leadership III	3
Fire 2254	Fire Leadership IV.....	3
Fire 2255	Fire Service Instructor I	3
Fire 2256	Fire Service Instructor II	3
Fire 2257	Company Fire Officer Phase I	3
Fire 2258	Company Fire Officer Phase II	5
Fire 2260	Fire Investigation.....	3
Fire 2261	Fire/Arson Investigation I.....	3
Fire 2262	Fire/Arson Investigation II.....	3
Fire 2263	Fire/Arson Investigation III	3
Fire 2264	Advanced Fire Officer Phase I	3
Fire 2265	Advanced Fire Officer Phase II	5
Fire 2267	Fire Service Vehicle Operator.....	1

Fire 2271	Emergency Medical Technician.....	10
Fire 2272	Paramedic Transition	3
Fire 2273	Vehicle and Machinery Operations.....	3
Fire 2282	EMT Instructor Training	3
Fire 2283	Emergency Medical Responder.....	5
Fire 2285	Trauma Assessment	3
Fire 2286	Pediatric Education for Prehospital Professionals	3
Fire 2287	Differential Medical Assessment	3

Electives 10

Select 10 credits from any 1000- or 2000- level courses. (In addition to the courses listed above.)

General Education 18 to 22

Written Communication (3 credits): English 1101 or 1105. Oral Communication (3 credits): Speech 1100 or 1120 or 1150. Physical and Life Sciences (3 to 5 credits): At least one course with a laboratory component. Mathematics (3 to 5 credits): 1000 level or above. Humanities and Fine Arts (3 credits). Social and Behavioral Sciences (3 credits). From the General Education or Elective classes, at least 2 credits must come from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

Total Credits Required..... 64 to 68

AAS DEGREE

The **Emergency Medical Services degree** includes theory and techniques of firefighting, inclusive of the Emergency Medical Technician curriculum, required by most fire departments. The program focuses on emergency medical services and the administration of those services in any setting. After completion of the degree and all of the objectives of the Illinois Department of Public Health are passed, the student is allowed to take the State of Illinois Paramedic Licensing exam.

Field of Study Code: FIRE.AAS.EMS

Program Requirements	49
Anat 1500 Survey of Human Anatomy and Physiology ...	4
Engli 1101 English Composition I.....	3
Hlths 1110 Biomedical Terminology	3
Speec 1100 Fundamentals of Speech Communication	3
Fire 2278 Paramedic I	12
Fire 2279 Paramedic II	12
Fire 2280 Paramedic III	12

General Education **9 to 11**

General Education in addition to those listed above: 3 hours any Social/Behavioral Science Course (1100 or higher), 3-5 hours in a Mathematics course (1100 or higher) except for Math 1104 or 1120, and 3 hours in a Humanities/Fine Arts course.

Program Electives **6**

Select 6 credit hours from the following 2000-level Fire Science courses:

Fire 2272 Paramedic Transition	3
Fire 2285 Trauma Assessment	3
Fire 2286 Pediatric Education for Prehospital Professionals	3
Fire 2287 Differential Medical Assessment.....	3

Total Credits Required..... **64 to 66**

CERTIFICATE

After completion of the certificate, state Certifications will be awarded through the Office of the State Fire Marshal (OSFM), if state requirements are met and state Certification Exams are passed. The **Fire Fighter certificate** requires 24 credits in the courses listed below.

Field of Study Code: FIRE.CER

Total Credits Required	24
Fire 1101 Basic Operations Firefighter- Mod A.....	6
Fire 1102 Basic Operations Firefighter-B	6
Fire 1103 Basic Operations Firefighter-C	6
Fire 2201 Extinguishing and Alarm Systems.....	3
Fire 2215 Building Construction	3

CERTIFICATE

The **Emergency Medical Technician certificate** is designed for students and professionals who have an interest or are currently employed in the field of fire science or the emergency medical field. Introduction to the study of pre-hospital care as it relates to patient assessment, treatments and transportation to the hospital. After successful completion of the certificate and all of the objectives of the Illinois Department of Public Health (IDPH) are passed, the student is allowed to take the State of Illinois IDPH State Licensing exam or the National Registry of Emergency Medical Technician Certification exam. This certificate requires a grade of B or better and 10 credits in Fire Science 2271.

Field of Study Code: FIRE.CER.EMT

Total Credits Required	10
Fire 2271 Emergency Medical Technician.....	10

CERTIFICATE

After successful completion of the **Paramedic certificate** and all of the objectives of the Illinois Department of Public Health are passed, the student is allowed to take the State of Illinois Paramedic Licensing exam.

Field of Study Code: FIRE.CER.MEDIC

Total Credits Required	36
Fire 2278 Paramedic I.....	12
Fire 2279 Paramedic II.....	12
Fire 2280 Paramedic III.....	12