

# FIRE SCIENCE TECHNOLOGY

## Associate in Applied Science Degree

*This 60-62 credit-hour program is applicable to both current firefighters and fire officers, as well as those wishing to enter the fire service. Some fire departments require a two-year degree in fire science before the student is eligible for entry level positions, while other departments offer promotional and salary incentives to associate degree program graduates.*

*Many of the courses offered are articulated with the Office of the Illinois State Fire Marshal and count toward requirements for Instructor I, Instructor II, Fire Officer I, Fire Officer II, Fire Apparatus Engineer, Hazardous Materials First Responder and Technician. Other areas of employment for fire science graduates include fire equipment sales and service, municipal fire protection, fire prevention and inspection in industry and private insurance companies, and emergency medical services.*

*Students wishing to pursue a career in fire science should discuss these opportunities with the program coordinator or a Student Development faculty member before entering the program.*

### Required General Education Courses:

ENG 101	Composition.....	3
Humanities elective*	.....	3
Mathematics elective <sup>1</sup>	.....	3-4
Natural Science elective	.....	3-4
PSY 101	Introduction to Psychology.....	3
SPE 101	Fundamentals of Speech Communication.....	3

### Required Core Courses:

CIS 100	Computer Fundamentals or	
CIS 101	Introduction to Computer Information Systems .....	3
FIS 100	Fundamentals of Fire Protection.....	3
FIS 102	Fire Service Management I .....	3
FIS 103	Fire Strategies and Tactics I .....	3
FIS 104	Building Construction for Fire Protection .....	3
FIS 121	Fire Behavior and Combustion.....	3
FIS 122	Introduction to Fire Prevention Principles .....	3
FIS 132	Hazardous Materials I .....	3
FIS 145	Fire and Emergency Service Instructor I.....	3

### Electives:

Select at least 15 credit hours from the following courses:

EMS 110	Emergency Medical Technician Training.....	7
FIS 109	Firefighter II Certification .....	12
FIS 123	Advanced Fire Prevention Principles .....	3
FIS 133	Hazardous Materials II .....	3
FIS 200	Fire Service Internship .....	3
FIS 202	Fire Service Management II .....	3
FIS 203	Fire Strategies and Tactics II .....	3
FIS 210	Fire-Arson Investigation .....	3
FIS 212	Fire Protection Systems .....	3
FIS 220	Fire and Emergency Services Instructor II.....	3
FIS 230	Fire and Emergency Services Law .....	3
FIS 240	Fire Apparatus Engineer .....	3

<sup>1</sup> Students must take mathematics course at the level of MTH 080 or above.

\*Students need to choose a course to meet this requirement that also meets the World Cultures and Diversity graduation requirement.