

## FIRE SCIENCE

### Associate in Applied Science A.A.S.: Fire Science Technology Degree

*This 60 credit-hour program in fire science technology is designed to allow students to master fundamental principles in fire and emergency services, fire prevention principles, fire behavior, firefighting strategy and tactics, fire investigation, hazardous materials, as well as the basics of urban, rural, and wild-land firefighting. Many of the courses offered have course approval with the Office of the Illinois State Fire Marshal. The program also provides current firefighters with the education needed to broaden their career paths. This degree program is recognized through Fire and Emergency Services Higher Education (FESHE), a network of the U.S. Fire Administration's National Fire Academy. Many fire departments now require an AAS degree in Fire Science Technology before the student is eligible for entry-level positions while other fire departments offer promotional and salary incentives to graduate.*

#### FIRST SEMESTER:

Number	Course Title	Credits	Course Category
ENG 101	Composition I .....	3	AAS General Education
FIS 100	Fundamentals of Fire and Emergency Services .....	3	Program Requirement
FIS 121	Fire Behavior and Combustion .....	3	Program Requirement
FIS 122	Fire Prevention Principles .....	3	Program Requirement
MGT 150	Business Math <sup>1</sup> .....	3	AAS General Education

#### SECOND SEMESTER:

Number	Course Title	Credits	Course Category
BIO 260	Human Anatomy or		
NTR 101	Fundamentals of Nutrition .....	3	AAS General Education
FIS 103	Firefighting Strategies and Tactics .....	3	Program Requirement
FIS 104	Building Construction for Fire Protection .....	3	Program Requirement
FIS 132	Hazardous Materials .....	3	Program Requirement
FIS 260	Emergency Services Safety .....	3	Program Requirement

#### THIRD SEMESTER:

Number	Course Title	Credits	Course Category
	FIS electives <sup>2</sup> .....	9	Program Requirement
PSY 101	Introduction to Psychology+ .....	3	AAS General Education
SPE 101	Fundamentals of Speech Communication .....	3	AAS General Education

#### FOURTH SEMESTER:

Number	Course Title	Credits	Course Category
FIS 145	Fire and Emergency Services Instructor .....	3	Program Requirement
FIS 212	Fire Protection Systems .....	3	Program Requirement
	FIS electives <sup>2</sup> .....	9	Program Requirement

<sup>1</sup> MGT 150 or MTH 101 or higher.

+ This course meets the World Culture and Diversity graduation requirement.

<sup>2</sup> Choose at least 18 credit hours from the following courses: FIS 102, FIS 106, FIS 109, FIS 200, FIS 210, FIS 230, FIS 240, FIS 270, EMG 131, EMG 231, EMS 111, EMS 112, EMS 113. Please note: EMS 111, EMS 112, and EMS 113 are recommended which will provide students with an Emergency Medical Technician Certificate.