

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.

F = Fall only course S = Spring only course U = Summer only course

FIRST SEMESTER:

Number	Course Title	Credits	Course Category
ENG 101	Composition	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 ¹	3	AAS General Education

SECOND SEMESTER:

Number	Course Title	Credits	Course Category
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
PSY 101	Introduction to Psychology ⁺	3	AAS General Education
SPE 101	Fundamentals of Speech Communication	3	AAS General Education

THIRD SEMESTER:

Number	Course Title	Credits	Course Category
BIO 260	Human Anatomy or		
NTR 101	Fundamentals of Nutrition	3	AAS General Education
FIS 102	Fire Service Management/Leadership (F)	3	Program Requirement
FIS 145	Fire and Emergency Services Instructor	3	Program Requirement
FIS 260	Emergency Services Safety	3	Program Requirement
FIS 280	Firefighting Around the World ⁺	3	Program Requirement

FOURTH SEMESTER:

Number	Course Title	Credits	Course Category
FIS 106	Fire Service Career Exploration Practicum	1	Program Requirement
	FIS electives ²	14	Program Requirement

¹ MGT 150, MTH 080, or MTH 101 or higher is acceptable.

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

² Choose at least 14 credit hours from the following courses: EMG 101, EMG 103 (S), EMG 107 (S), EMG 253 (F); FIS 109, FIS 200, FIS 210, FIS 212(F), FIS 230(F), FIS 240(U), FIS 250(S), FIS 270(S).