

FIRE SCIENCE TECHNOLOGY, A.A.S.

Entry Time

Fall or Spring

Award

Associate of Applied Science degree
2 years (5 terms including summer)

The Fire Science Technology program prepares graduates for a career in the fire service as firefighters. Students learn a variety of skills in fire protection and prevention, theories of fire behavior, and fire control. Students in this program have the opportunity to earn the Firefighter 1 and Firefighter 2 credentials through the Fire Service Training Bureau, as well as become a licensed EMT.

Career Opportunities

- firefighter
- emergency medical technician

Degree Requirements

Course	Title	Credit Hours
Term 1		
Fall		
FIR-213	Principles of Emergency Services	3
FIR-127	Fire Behavior and Combustion	3
FIR-150	Fire Detection and Suppression Systems	3
Select one of the following:		3
COM-723	Workplace Communications	
ENG-101	Elements of Writing	
ENG-105	Composition I	
SPC-101 or SPC-112	Fundamentals of Oral Communication or Public Speaking	3
Term Totals:		15
Term 2		
Spring		
Approved Math Course		3
FIR-124	Building Construction	3
FIR-400	Emergency Safety and Survival	3
FIR-130	Fire Prevention	3
FIR-110	History and Philosophy of the Fire Service	2
Term Totals:		14

Term 3		
Summer		
FIR-199	Firefighter I	8
Term Totals:		8
Term 4		
Fall		
FIR-201	Firefighter II	3
One Fire Science Management Technical Course		3
EMS-255	Emergency Medical Technician I	4
EMS-350	Emergency Medical Technician II	3.5
EMS-365	Emergency Medical Technician II Clinical	1
Term Totals:		14.5
Term 5		
Spring		
Social Science Course		3
Humanities or History/Culture Course (https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/)		3
FIR-180	Chemistry of Hazardous Materials	3
Two Fire Science Management Technical Courses		6
Term Totals:		15
Program Totals:		66.5

Fire Science Technical Courses

Code	Title	Credit Hours
FIR-146	Firefighting Tactics and Strategy	3
FIR-183	Hazardous Materials Management	3
FIR-280	Instructional Techniques for Fire Service Training	3
FIR-330	Fire Service Company Officer	3

Optional Courses

Code	Title	Credit Hours
FIR-924	Honors Project	1
FIR-928	Independent Study	1-3